CURRICULUM VITAE

Celine Latulipe

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Education

2000 – 2006   University of Waterloo, Ph.D. Computer Science
                   Dissertation: "A Model for Symmetric Interaction."
                   Advisors: Craig Kaplan and Charles Clarke.

1997 – 2000   University of Waterloo, M.Math Computer Science
                   Essay: "A Longitudinal Target Selection Study with Tactile Feedback."
                   Advisor: William Cowan.

1992 – 1997   University of Waterloo, B.A.
                   Honours Economics and Applied Studies Co-op.

Professional Experience

2019 – present   Associate Professor, Department of Computer Science, University
                      of Manitoba, Winnipeg, MB, Canada.

2017 – present   Professor, Department of Software and Information Systems,
                      University of North Carolina at Charlotte, Charlotte, NC, USA.

2012 – 2017   Associate Professor, Department of Software and Information
                      Systems, University of North Carolina at Charlotte, Charlotte, NC,
                      USA.

2006 – 2011   Assistant Professor, Department of Software and Information
                      Systems, University of North Carolina at Charlotte, Charlotte, NC,
                      USA.

1998 – 2006   Computer Science High School Liaison Assistant, University of
                      Waterloo, Waterloo, ON, Canada.

Winter 2004   Lecturer, Department of Computer Science, University of Waterloo,
                      Waterloo, ON, Canada.

1997 – 1998	Teaching Assistant, Department of Computer Science, University of Waterloo, Waterloo, ON, Canada.
1994 – 1997	Freelance Technical Writer, Various Publication Houses.

Publications

Peer Reviewed Journal Publications

Arcury TA, Sandberg JC, Melius KP, Quandt SA, Leng X, **Latulipe C**, Miller DP, Jr., Smith DA, Bertoni AG. Older adult internet use and eHealth literacy. Journal of Applied Gerontology. In Press.

Celine Latulipe, Sara A Quandt, Kathryn Altizer, Alain Bertoni, David P Miller, D. Alden Smith, Thomas A Arcury. Insights into Older Adult Patient Concerns around Caregiver Proxy Portal Use. Journal of Medical Internet Research. In Press. http://dx.doi.org/10.2196/10524

Sybil Huskey, **Celine Latulipe**, Danielle Lottridge and Erin Cherry. Post-Production Focus Groups in Dance: A Case Study and Protocol. In *Journal of Dance Education*, 18:2, 47-54, 2018. DOI: 10.1080/15290824.2017.1326051.

Arcury TA, Quandt SA, Sandberg JC, Miller DP Jr, Latulipe C, Leng X, Talton J, Melius KP, Smith A, Bertoni AG. Patient Portal Utilization among Ethnically Diverse Low Income Older Adults. In *JMIR Medical Informatics.* 5.4 2017.

David Miller, **Celine Latulipe**, Kathryn Melius, Sara Quandt, and Thomas Arcury. Primary care practices' views of patient portals: perceived benefits and consequences. Journal of Medical Internet Research. 2016. 18(1).

Erin Carroll and **Celine Latulipe**. Quantifying the Creativity Support of Digital Tools through the Creativity Support Index. ACM Transactions on Computer-Human Interaction (TOCHI), 21, 4, Article 21, June 2014.

Gordon Hull, Heather Richter Lipford and **Celine Latulipe**. 2010. Contextual Gaps: Privacy Issues on Facebook. In Ethics and Information Technology. 13.4, pp. 289-302.

Cohen, R., Allaby, C., Cumbaa, C., Fitzgerald, M., Ho, K., Hui, B., **Latulipe, C**., Lu, F., Moussa, N., Pooley, D., Qian, A., and Siddiqi, S. 1998. What is Initiative? In User Modeling and User-Adapted Interaction 8, 3-4, pages 171-214, 1998.

Peer Reviewed Conference Publications

Farah Tokmic, Tonya Frevert, Syeda Mazumder, **Celine Latulipe** and Mary Lou Maher. Salient Measures of an Engaged Computing Education Community. To appear in *FIE 2019*.

Stephen MacNeil, Kyle Kiefer, Brian Thompson, Dev Takle, and **Celine Latulipe**. [IneqDetect: A Visual Analytics System to Detect Conversational Inequality and Support Reflection during Active Learning](). In Proceedings of the ACM Conference on Global Computing Education (CompEd '19). ACM, New York, NY, USA, 85-91.

Celine Latulipe, Berto Gonzalez, Melissa Word, Sybil Huskey and David Wilson. [Moderate Recursion: A Digital Artifact of Interactive Dance](). In *Interactivity, Game Creation, Design, Learning, and Innovation* (pp. 48-57). Springer, Cham.

Celine Latulipe, Stephen MacNeil, Brian Thompson. Evolving a Data Structures Class Toward Inclusive Success. In *FIE 2018*.

Tonya Frevert, Audrey Rorrer, Daniel Davis, **Celine Latulipe**, Mary Lou Maher, Bojan Cukic, Larry Mays and Steven Rogelberg. Sustainable Educational Innovation Through Engaged Pedagogy and Organizational Change. In *FIE 2018*.

Johanna Okerlund, Madison Dunaway, David Wilson, **Celine Latulipe** and Eric Paulos. Statement Making: A Maker Fashion Show Foregrounding Feminism, Gender, and Transdisciplinarity. In Proceedings of the 2018 Designing Interactive Systems Conference (DIS '18). ACM, New York, NY, USA, 187-199. DOI: https://doi.org/10.1145/3196709.3196754

Celine Latulipe, Audrey Rorrer & Bruce Long. Flipped Class Effects on Retention after CS1. To appear in *Proceedings of ACM SIGCSE 2018*, 6 pages.

Stephen MacNeil, Johanna Okerlund and **Celine Latulipe**. Dimensional Reasoning and Research Design Spaces. In *Proceedings of ACM Creativity & Cognition* 2017, (C&C '17). ACM, pp. 367-379.

Mary Lou Maher, Bojan Cukic, Larry Mays, Steven Rogelberg, **Celine Latulipe**, Jamie Payton, Audrey Rorrer, Tonya Frevert. The Connected Learner: Engaging Faculty to Connect Computing Students to Peers, Profession and Purpose. In *IEEE Frontiers in Engineering Education*, 2016, pp. 1-8.

Stephen MacNeil, **Celine Latulipe**, Bruce Long and Aman Yadav. "Exploring Lightweight Teams in a Distributed Learning Environment". In SIGCSE '16 Proceedings of the 47th ACM Technical Symposium on Computer Science Education.

Vikash Singh, Sarah Abdellahi, Mary Lou Maher, and **Celine Latulipe**. "The Video Collaboratory as a Learning Environment". In SIGCSE '16 Proceedings of the 47th ACM Technical Symposium on Computer Science Education.

Stephen MacNeil, **Celine Latulipe**, and Aman Yadav. 2015. Learning in Distributed Low-Stakes Teams. In Proceedings of the eleventh annual International Conference on International Computing Education Research (ICER '15). ACM, New York, NY, USA.

Celine Latulipe, Amy Gatto, Ha T. Nguyen, David P. Miller, Sara A. Quandt, Alain G. Bertoni, Alden Smith, and Thomas A. Arcury. 2015. Design Considerations for Patient Portal Adoption by Low-Income, Older Adults. In Proceedings of the 33rd Annual ACM Conference on Human Factors in Computing Systems (CHI '15). ACM, New York, NY, USA, 3859-3868.

Celine Latulipe, Bruce Long, Carlos Seminario. Structuring Flipped Classes with Lightweight Teams and Gamification. In SIGCSE '15 Proceedings of the 46th ACM Technical Symposium on Computer Science Education, 2015. **Best Paper Award**.

Mary Lou Maher, **Celine Latulipe**, Heather Lipford and Audrey Rorrer. Flipped Classroom Strategies for CS Education. SIGCSE '15 Proceedings of the 46th ACM Technical Symposium on Computer Science Education, 2015.

Jinyue Xia, Vikash Singh, David Wilson and **Celine Latulipe**. 2014. Exploring the Design Space of Multiple Video Interaction. In Proceedings of NordiCHI 2014, 276-285.

Alexander Travis Adams, Berto Gonzalez, and **Celine Latulipe**. 2014. SonicExplorer: fluid exploration of audio parameters. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '14). ACM, New York, NY, USA, 237-246.

Erin A. Carroll and **Celine Latulipe**. 2012. Triangulating the personal creative experience: self-report, external judgments, and physiology. In Proceedings of Graphics Interface 2012 (GI '12). Canadian Information Processing Society, Toronto, Ont., Canada, Canada, 53-60.

Berto Gonzalez, Erin Carroll, and **Celine Latulipe**. 2012. Dance-inspired technology, technology-inspired dance. In Proceedings of the 7th Nordic Conference on Human-Computer Interaction: Making Sense Through Design (NordiCHI '12). ACM, New York, NY, USA, 398-407.

Erin A. Carroll, Danielle Lottridge, **Celine Latulipe**, Vikash Singh, and Melissa Word. Bodies in critique: a technological intervention in the dance production process. In Proceedings of the ACM 2012 conference on Computer Supported Cooperative Work (CSCW '12). ACM, New York, NY, USA, 705-714, 2012.

Celine Latulipe, David Wilson, Sybil Huskey, Berto Gonzalez and Melissa Word. Temporal Integration of Interactive Technology in Dance: Creative Process Impacts. In ACM Creativity & Cognition 2011.

Vikash Singh, **Celine Latulipe**, Erin Carroll and Danielle Lottridge. The Choreographer's Notebook – A video annotation system for dancers and choreographers. In ACM Creativity & Cognition 2011. **Nominated for an Emma Award for Best Contribution to Creative Communication**.

Celine Latulipe, Erin Carroll, and Danielle Lottridge. Evaluating longitudinal projects combining technology with temporal arts. In ACM CHI 2011 Proceedings, pages 1835-1844, 2011.

Celine Latulipe, Erin Carroll, and Danielle Lottridge. Exploring the measurement and use of audience engagement data in the performing arts. In ACM CHI 2011 Proceedings, pages 1845-1854, 2011.

Erin Carroll, **Celine Latulipe**, Richard Fung and Michael Terry. Creativity Factor Evaluation: Towards a Standardized Survey Metric for Creativity Support. In ACM Creativity & Cognition 2009 Proceedings, pages 127-136, 2009.

Heather Richter Lipford, Gordon Hull, **Celine Latulipe**, Andrew Besmer, and Jason Watson. "Visual Flows: Contextual Integrity and the Design of Privacy Mechanisms on Social Network Sites." In the Proceedings of the Workshop on Security and Privacy in Online Social Networking, IEEE International Conference on Social Computing (SocialCom), August 2009, pages 985-989.

Richard Fung, Edward Lank, Michael Terry and **Celine Latulipe**. Kinematic Templates: End-User Tools for Content-Relative Cursor Manipulations. In ACM UIST 2008 Proceedings, pages 47-56, 2008.

Celine Latulipe, Ian Bell, Charles L.A. Clarke and Craig S. Kaplan. symTone: Two-Handed Manipulation of Tone Reproduction Curves. In GI 2006 Proceedings, pages 9-16, 2006. **Michael A.J. Sweeney Best Student Paper Award.**

Celine Latulipe, Stephen Mann, Craig S. Kaplan and Charles L.A. Clarke. SymSpline: Symmetric Two-Handed Spline Manipulation. In ACM CHI 2006 Proceedings, pages 349-358, 2006. (Acceptance Rate: 23%)

Celine Latulipe, Craig S. Kaplan and Charles L.A. Clarke. Bimanual and Unimanual Image Alignment: An Evaluation of Mouse-Based Techniques. In ACM UIST 2005 Proceedings, pages 123-131, 2005. **UIST 2005 Best Paper Nomination.**

Sandy Graham and **Celine Latulipe**. CS Girls Rock: Sparking Interest in Computer Science and Debunking the Stereotypes. In ACM SIGCSE 2003 Proceedings, pages 322-326, 2003.

Peer Reviewed Extended Abstracts/Short Papers/Workshops

Stephen MacNeil, **Celine Latulipe**, and Johanna Okerlund. 2017. Co-creating Dimensions and Examples using Design Space Gaps. In First Workshop

on Co-Creation at the International Conference on Computational Creativity (ACM ICCC '17)**.**

Johanna Okerlund and **Celine Latulipe**. The Curiosity Factor in a Metric for Playfulness. In Workshop on Designing for Curiosity (CHI 2017). https://www.crowdcurio.com/research/workshops/chi2017/

Celine Latulipe, Sarah Provencal and Tonya Frevert. Experience Report: Workshopping Alternate Outcomes to Sexism Through Participatory Classroom Role-play. In 2016 Research on Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT), Atlanta, GA, USA, 2016, pp. 1-4.

David England, Linda Candy, **Celine Latulipe**, Thecla Schiphorst, Ernest Edmonds, Younghui Kim, Sean Clark, and Andruid Kerne. 2015. Art.CHI. In Proceedings of the 33rd Annual ACM Conference Extended Abstracts on Human Factors in Computing Systems (CHI EA '15). ACM, New York, NY, USA, 2329-2332.

Berto Gonzalez, Alexander Travis Adams, and **Celine Latulipe**. 2014. SonicExploratorium: an interactive exhibit of sonic discovery. In CHI '14 Extended Abstracts on Human Factors in Computing Systems (CHI EA '14). ACM, New York, NY, USA, 395-398.

David England, Jocelyn Spence, **Celine Latulipe**, Ernest Edmonds, Linda Candy, Thecla Schiphorst, Nick Bryan-Kinns and Kirk Woolford. Art and Interaction SIG: Cataloging the Digital Arts. In ACM CHI 2014 Extended Abstracts.

David England, Jocelyn Spence, **Celine Latulipe**, Ernest Edmonds, Linda Candy, Thecla Schiphorst, Nick Bryan-Kinns and Kirk Woolford. Curating the Digital: Spaces for Art and Interaction (Workshop). In ACM CHI 2014 Extended Abstracts.

Alex Adams and **Celine Latulipe**. Survey of audio programming tools.. ACM CHI 2013 Extended Abstracts.

Daniel Russell, Scott Klemmer, Armando Fox, **Celine Latulipe**, Duenier, M., and Elizabeth Losh. Will massive online open courses (MOOCs) change education? ACM CHI 2013 Extended Abstracts.

Andruid Kerne, Andrew Webb, **Celine Latulipe**, Erin Carroll, Steve Drucker, Linda Candy, Kristina Höök. Evaluation methods for creativity support environments.. ACM CHI 2013 Extended Abstracts.

David England, Jill Fantauzacoffin, Thecla Schiphorst, **Celine Latulipe** and Linda Candy. Digital art: challenging perspectives. ACM CHI 2013 Extended Abstracts.

David England, Jill Fantauzzacoffin, Nick Bryan-Kinns, **Celine Latulipe**, Linda Candy, and Jennifer Sheridan. 2012. Digital art: evaluation, appreciation, critique (invited SIG). In Proceedings of the 2012 ACM annual conference extended abstracts on Human Factors in Computing Systems Extended Abstracts (CHI EA '12). ACM, New York, NY, USA, 1213-1216.

Berto Gonzalez and **Celine Latulipe**. BiCEP: bimanual color exploration plugin. In ACM CHI 2011 Extended Abstracts, pages 1483-1488, 2011.

Celine Latulipe and Annabel Manning. Layered surveillance. In ACM CHI 2010 Companion Proceedings, pages 3007-3012, 2010.

Celine Latulipe, David Wilson, Sybil Huskey, Melissa Word, Arthur Carroll, Erin Carroll, Berto Gonzalez, Vikash Singh, Mike Wirth and Danielle Lottridge. Exploring the design space in technology-augmented dance. In ACM CHI 2010 Companion Proceedings, pages 2995-3000, 2010.

Celine Latulipe, G. Michael Youngblood, Carissa Orlando and Ian Bell. ToneZone: Image Exploration with Spatial Memory Cues. In ACM Creativity & Cognition 2009 Proceedings, pages 427-428, 2009.

Erin Carroll and **Celine Latulipe**. The Creativity Support Index. In CHI 2009 Companion Proceedings, pages 4009-4014, ACM 2009.

Celine Latulipe and Sybil Huskey. Dance.Draw: Exquisite Interaction. In HCI 2008 Proceedings, pages 47-51, The British Computer Society, 2008.

Celine Latulipe and Michael Terry. Evaluation Instruments for Creativity Support Tools. (Cancelled workshop). In HCI 2008 Proceedings, pages 187-188, The British Computer Society, 2008.

Celine Latulipe. Measuring Exploration Coverage and Evaluating Refinding Mechanisms. 2 pages, in BElive '08: A Workshop of the ACM CHI 2008 Conference.

Celine Latulipe, Craig S. Kaplan and Charles L.A. Clarke. Simultaneous Rotation and Translation. In HCI 2005 Proceedings, Volume 2, pages 63-67, The British Computer Society, 2005.

Celine Latulipe. Dual Cursor Interaction Techniques. In HCI 2005 Proceedings, Volume 2, pages 212-214, The British Computer Society, 2005.

Celine Latulipe. Symmetric Interaction in the User Interface. In ACM UIST 2004 Companion Proceedings, pages 63-66, 2004. (Acceptance Rate: 21%)

Peer Reviewed Posters

Johanna Okerlund, David Wilson and **Celine Latulipe**. Towards a Tool for Understanding Pathways of Learning in Makerspaces. (ICER 2017 poster and lightning talk).

Stephen MacNeil and **Celine Latulipe**. 2016. Leveraging Context to Create Opportunistic Co-Located Learning Environments. In Proceedings of the 47th ACM Technical Symposium on Computing Science Education (SIGCSE '16). ACM, 2016.

Johanna Okerlund, Orit Shaer and **Celine Latulipe**. Teaching Computational Thinking Through Bio-Design. In Proceedings of the 47th ACM Technical Symposium on Computer Science Education (SIGCSE '16). ACM, 2016.

Alexander T. Adams and **Celine Latulipe**. 2013. Survey of audio programming tools. In CHI '13 Extended Abstracts on Human Factors in Computing Systems (CHI EA '13). ACM, New York, NY, USA, 781-786.

Erin Carroll and **Celine Latulipe**. Capturing 'In The Moment' Creativity through Data Triangulation. Accepted for ACM Creativity & Cognition 2011.

Celine Latulipe and Heather Richter Lipford. The HCI Lab at UNC Charlotte. In HCI 2008 Proceedings, pages 169-170, The British Computer Society, 2008

Celine Latulipe and Sriram Subramanian. Implicit Virtual Constraints on Tabletops. In IEEE Tabletop 2007, Newport, RI, October 2007.

Celine Latulipe, Elodie Fourquet and William Cowan, Two-Handed Colour Selection. In Graphics Interface, Halifax, NS, June 2003.

Patents Awarded

Multi-Modal Collaborative Web-Based Video Annotation System, 2016.

Other Publications

Performances

"A Mischief of Mus musculus" Choreographed by Sybil Huskey, technology by Celine Latulipe. Restaging with minor modifications to interactive visualizations. Project direction by Dance.Draw PIs **Celine Latulipe**, David Wilson and Sybil Huskey.

"Bodies/Antibodies" Choregoraphed by Melissa Word, technology by David Wilson. Restaging with different sensing technology. Project direction by Dance.Draw PIs **Celine Latulipe**, David Wilson and Sybil Huskey.

"Giselle" Choreographed by David Ingram (guest choreographer from North Carolina Dance Theater), production assistance by Melissa Word, technology by Berto Gonzalez. Completely new production, with choreography and technology developed in parallel. Project direction by Dance.Draw PIs **Celine Latulipe**, David Wilson and Sybil Huskey.

Celine Latulipe, Sybil Huskey, Melissa Word, David Wilson, Nathan Nifong, Berto Gonzalez, Adam Harris. "SoundPainter." Accepted for publication and performance, ACM Creativity & Cognition 2011. (2 pages, 39% acceptance rate for the art program)

Celine Latulipe, Sybil Huskey, Melissa Word, David Wilson, Nathan Nifong, Berto Gonzalez, Adam Harris. "SoundPainter" Workshop. Accepted for performance and lecture at the Congress on Research in Dance, CORD-SEM 2011: Moving Music / Sounding Dance: Intersections, Disconnections, and Alignments between Dance and Music, October 2011.

Celine Latulipe, David Wilson, Sybil Huskey, Melissa Word, Berto Gonzalez, Nathan Nifong. "The Angled Angels Assembly." Dance Performance, UNC Charlotte Belk Theatre, April 2011.

Celine Latulipe, David Wilson, Sybil Huskey, Melissa Word, Berto Gonzalez, Nathan Nifong. "An Instance Of..." Dance Performance, UNC Charlotte Belk Theatre, October 2010.

Celine Latulipe, David Wilson, Sybil Huskey, Melissa Word. "Informal Works." Dance Performance and Presentation, UNC Charlotte Informal Theatre, August 2009.

Celine Latulipe, David Wilson, Sybil Huskey, Melissa Word, Nathan Nifong and Berto Gonzalez. "Bodies/Antibodies." Dance Performance, ACM CHI Conference Media Showcase, Altanta, April 2009 and UNC Charlotte Informal Theatre, April 2009.

Celine Latulipe, David Wilson, Sybil Huskey, Mike Wirth and Berto Gonzalez. "Whispering to Ophiucus." Dance Performance, UNC Charlotte Belk Theatre, November 2009.

Celine Latulipe, David Wilson, Sybil Huskey and Mike Wirth. "A Mischief of Mus musculus." Dance Performance, UNC Charlotte Belk Theatre, November 2008.

Celine Latulipe and Sybil Huskey. "Exquisite Interaction." Dance Performance. Visualization in the World Symposium, April 2008, UNC Charlotte.

Interactive Art Installations

Celine Latulipe and Annabel Manning. "Interactive Surveillance." Interactive Digital Art Installation at the Anderson Gallery at Drake University in Iowa, November 2015 – February 2016.

Celine Latulipe, Annabel Manning and Berto Gonzalez . "PopArt Visitors" Interactive Digital Art Installation at the Light Factory, Charlotte, NC, 2013.

Celine Latulipe, Annabel Manning, Berto Gonzalez and Nathan Nifong. "Interactive Surveillance." Interactive Digital Art Installation presented at Dialect Gallery, Charlotte, December 2010.

Annabel Manning (technology provided by Celine Latulipe). "Layered Surveillance." Interactive Digital Art Installation part of "Borders" juried exhibition at Root Division Gallery, San Francisco, July 2010.

Celine Latulipe and Annabel Manning. "Layered Surveillance." Interactive Digital Art Installation presented at ACM CHI Conference Media Showcase, Atlanta, April 2009.

Celine Latulipe and Annabel Manning. "Layered Surveillance." Interactive Digital Art Installation presented at Symposium on Aesthetic Computing, Charlotte, March 2009.

Celine Latulipe and Annabel Manning. "Interactive Surveillance." Interactive Digital Art Installation presented at (re)Actor3 Digital Live Art Conference, Liverpool, UK, September 2008.

Technical Reports

Celine Latulipe. RGBYVA: Color exploration with multiple inputs. Technical Report #UNCCSIS2009020002, Department of Software and Information Systems, University of North Carolina at Charlotte, 2009.

Celine Latulipe, Kelley Gonzales and Erin Carroll. Augmenting the Ken Burns Effect with Two-Handed Interaction and Tonal Interpolation. Technical Report #UNCCSIS2009020003, Department of Software and Information Systems, University of North Carolina at Charlotte, 2009.

Celine Latulipe. Dynamic Grouping and Identity in a Multi-Pointer Environment. Technical Report #UNCCSIS2008020001, Department of Software and Information Systems, University of North Carolina at Charlotte, 2008.

Edited/Invited Publications

Stephanie Grace. (Edited/Produced by Celine Latulipe, David England) Art.CHI 2016: Interactive Media Works. The official catalog accompanying the Inaugural CHI Art Exhibition and Art.CHI 2016 workshop.

Celine Latulipe, Heather Lipford, Mary Lou Maher, and David Wilson. 2015. "UNC Charlotte HCI/InDe lab". Interactions 22, 6 (October 2015), 16-19.

Stephanie Grace. (Edited/Produced by **Celine Latulipe**) Art.CHI 2015: Interactive Media Works. The official catalog accompanying the Art.CHI 2015 workshop.

Celine Latulipe. 2013. The value of research in creativity and the arts. In Proceedings of the 9th ACM Conference on Creativity & Cognition (C&C '13), Ellen Yi-Luen Do, Steven Dow, Jack Ox, Steve Smith, Kazushi Nishimoto, and Chek Tien Tan (Eds.). ACM, New York, NY, USA, 1-10. (Invited publication to accompany keynote address)

Funding

Peer Reviewed National and International Grants

NSF REU Site: Socially Relevant Computing in Pervasive Computing, Computer Vision, and Human Computer Interaction. PI: Jamie Payton, Co-PI: Richard Souvenir, **Celine Latulipe** is Senior Personnel. $323,815. 2014- 2018.

NSF IUSE/PFE:RED: The Connected Learner: Design Patterns for Transforming Computing and Informatics Education. PI: Mary Lou Maher, Co-PIs: Steven Rogelberg, **Celine Latulipe**, Jamie Payton, Bojan Cukic, Larry Mays. $1,999,959. 2015-2019.

NSF PFI: AIR-TT: Video Collaboratory: A Platform for Active Viewing and Collaboration with Video Data. PI: David Wilson, CO-PIs: **Celine Latulipe**, Sybil Huskey, Devin Collins. $199,917. 2015-2016.

NSF I-Corps Team: Commercialization of Video Collaboratory. PI: **Celine Latulipe**, Co-PIs: David Wilson, Sybil Huskey, Devin Collins, Vikash Singh. $50,000. 2014-2015.

NIH Proposal: Maximizing the Impact of ePHIM in Low-Income, Multi-ethnic Populations. (Sub-contract to Wake Forest Medical School). **PI: Celine Latulipe**. 5 yearly sub-contracts totaling approximately $360,000. 2012-2017.

NSF "Dance.Draw: Embodiment as Input for Collaborative, Creative Expression." Funded by **NSF CreativeIT**. **PI: Celine Latulipe,** Co-PIs: David Wilson and Sybil Huskey. $762,372. 2009-2012.

NSF "ACM Creativity & Cognition Graduate Symposium." Funded by **NSF**. Amount: $22,378. **PI: Celine Latulipe**. 2009.

Peer Reviewed Institutional Grants

 "Prepared Music Field: Andy Akiho at the Bechtler Museum". UNC Charlotte Faculty Research Grant. PI: Eric Sauda, Co-PI: **Celine Latulipe**. 2016-2017. $12,000.

"Flipping Traditional CS Education Upside Down: A Study of Interventions in Two Core Computing Courses." UNC Charlotte SOTL Grant. PI: **Celine Latulipe**, Co-PIs: Bruce Long, Mary Lou Maher, Audrey Rorrer, and Karen Bean. 2013-2014. $12,000.

"Modular Sensing for Motion Input and Visualization in Embodied Interaction." UNC Charlotte Faculty Research Grant. **PI: Celine Latulipe**, Co-PI: Heather Richter Lipford. Amount: $12,000.

Bonnie Cone Fellowship through the UNC Charlotte's NSF ADVANCE Grant. Awarded in 2007 for travel. Amount: $4,200.

Student Supervision

Doctoral Students Supervised

Syeda Mazumder, Fall 2017 – present

Johanna Okerlund, Fall 2015 – present
    Investigating research topics.

Stephen MacNeil, Fall 2014 – present
    Research topic: Data-driven Reflection for Learning

Dr. Vikash Singh, 2009 – 2015
    Graduated. Working as a Post-Doc Researcher at UNC Charlotte on
        commercialization of the Video Collaboratory software.
    Research topic: Web-based collaboration support for creative teams.

Dr. Berto Gonzalez, 2009 – 2015
    Graduated. Working as a contract Teaching Professor at UNC Charlotte.
    Research topic: Exploration and Satisficing in Interfaces.

Dr. Erin Carroll (now Erin Cherry), 2008 – 2013
    Graduated. Working as Senior Researcher at Northrop Grummon.
    Research topic: Measuring creativity support tools.

Masters Students Supervised

Kelley Gonzales – Coursework Masters. May 2007 – May 2008.

Independent and Senior Project Students

Spring 2016: Nicole Nichols, senior project.

Spring 2016: David Mark, senior project.

Spring 2014: Ryan Powell, senior project.

Spring 2014: James Keller, senior project.

Spring 2013: Alex Adams, senior project (continued). Received Essam El-Kwae Student-Faculty Research (UNC Charlotte College of Computing and Informatics) in 2013.

Fall 2012: Alex Adams, senior project.

Fall 2012: Josh Burrell, senior project

Fall 2012: David Weber, senior project

Fall 2012: Gloria Szilezi, independent study

Spring 2011: Cuong Truong, undergraduate senior project.

September 2010 - May 2011: Andrew Emanuel, undergraduate senior project.

Spring 2010: Michael Iannocone, independent research project.

September 2009 - February 2011: Nathan Nifong, senior project and undergraduate research assistant.

January 2009 - August 2009: David Honeycutt, undergraduate senior project.

Fall 2008: Ashley Johnson, undergraduate senior project.

Spring 2008: Hunter Loftis, undergraduate senior project.

May 2005 - December 2005: Sumair Ur Rahman, an undergraduate research assistant (at the University of Waterloo).

REU Students

Summer 2017: Mariah Olson, DREU summer student

Summer 2017: Lissette Alamonde, DREU summer student

Summer 2017: Veronica Ureno, DREU summer student

Summer 2016: Rachel Chesley, DREU summer student

Summer 2016: Gabrielle Salib, DREU summer student

Summer 2015: Kyla Bouldin, DREU summer student

Summer 2015: Rebecca Haralson, DREU summer student

Summer 2014: Elizabeth Riddell, DREU summer student

Summer 2013: Alex Adams, CRS summer student

Summer 2011: Shannon Thompson, CRAW DREU summer student.

Summer 2010: Millicent Walsh, CRAW DREU summer student.

Summer 2010: Charlotte Smail, CRAW DREU summer student.

2008 – 2009: Rebecca Baxter, undergraduate Cognitive Science REU student.

2007 – 2008: Carissa Orlando, undergraduate Cognitive Science REU student.

Student-Related Awards

Essam El-Kwae Student-Faculty Research (UNC Charlotte College of Computing and Informatics) Awarded to Alex Adams and Celine Latulipe, 2013.

Teaching

Graduate Courses

ITIS 6450/8450: Rapid Prototyping
Cross-listing of Undergraduate Rapid Prototyping Class.
Terms: Spring 2015
Average enrollment: 8

ITIS 6400/8400: Principles of Human Computer Interaction
Integrated new reading materials, ethics content and prototyping activities.
Terms: Spring 2007, Spring 2009, Spring 2011, Spring 2012, Spring 2013
Average enrollment: 15

ITIS/PHIL 4050/5050: Aesthetic Computing
Special topics course, co-taught with Michael Kelly from Philosophy
Term: Spring 2010
Enrollment: 8

Undergraduate Courses

ITSC 2214: Data Structures & Algorithms
Brand new, fully flipped and active learning version of the standard introductory Data Structures course. No lectures, all content delivered through videos and readings as prepwork. Class meets once per week for 3 hours for active learning clicker quizzes, pair-programming labs and team-based activities.
Terms: Fall 2016, Spring 2017, Fall 2017, Spring 2018, Fall 2018
Average Enrollment: 100

LBST 2213: Science, Technology & Society

Brand new course I developed called FemmeTech. Aimed at introducing undeclared majors to computing activities and the issues of gender and technology. Taught as a flipped class, with hands-on active learning activities and lightweight teams. I created/sourced content videos, created homework quizzes, creating programming/activity labs and designed a final project.
Terms: Spring 2016, Fall 2016
Average enrollment: 95

ITIS 1212: Introduction to Media Programming
A brand new course that I co-designed with Bruce Long, using a flipped class, media computation, lightweight teams and gamification approach. Curated and created content videos, wrote programming labs, created clicker quizzes, created tests and assignments. Set up LMS with detailed course flow structure. Taught and evaluated effectiveness. Refined all content and approaches in second semester.
Terms: Fall 2013, Spring 2014
Average enrollment: 73

ITIS 1213: Media Programming
A brand new course follow-up course to ITIS 1212 that I co-designed with Bruce Long, using a flipped class, media computation, lightweight teams and gamification approach. Curated and created content videos, wrote programming labs, created clicker quizzes, created tests and assignments. Set up LMS with detailed course flow structure. Taught and evaluated effectiveness. Refined all content and approaches in second semester.
Terms: Fall 2014, Spring 2015
Average enrollment: 44

ITIS 3130: Human-Computer Interfaces
Standard HCI intro course, but in 2011, I taught this as a flipped class, wrapped around Scott Klemmer's HCI MOOC. It has been taught that way by other HCI faculty since then.
Terms: Fall 2007, Spring 2010, Fall 2011, Fall 2018
Average enrollment: 48

ITIS 3150: Rapid Prototyping and Interface Building
A course I developed that included hands-on software prototyping as well as an introduction to coding GUI Interfaces in Java. This course slowly became a fully flipped class, with all active learning activities in the classroom. The latest offerings of this course have only included the Rapid Prototyping aspects, not the programming GUI aspects.
Terms: Spring 2008 and Fall 2008 (as topics course), Fall 2009, Fall 2010, Fall 2011, Fall 2012, Spring 2013, Fall 2013, Spring 2015, Second Summer 2015
Average enrollment: 30

ITIS 1210: Introduction to the Internet

Updated curriculum and integrated a new textbook.
  Terms: Fall 2008, Spring 2010, Fall 2010
  Average enrollment: 38

Other Courses

"Digital Arts and HCI in Collaboration" Two-part Course presented by Celine Latulipe, David England, Thecla Schiphorst and Jill Fantauzzacoffin at ACM CHI 2012.

"LayerCake: Interactive Art Workshop." Jointly offered by Celine Latulipe, Nathan Nifong and Scott Pobiner at Parsons New School of Design in New York City, October 2010.

Teaching Awards

Bank of America Teaching Excellence Award Finalist, 2018. Only one faculty member at UNC Charlotte is honored with this award each year.

Excellence in Undergraduate Teaching Award (UNC Charlotte College of Computing and Informatics) Awarded in 2013.

Service and Outreach

External Service

Invited Talks

"Appropriately Valuing Interdisciplinary Research between Computer Science, Creativity and the Arts" Computer Science Colloquium, University of Iowa, August 2018.

"Socializing Computing Classes for Inclusive Retention" University of Manitoba Pedagogy Speaker Series, January 2018.

"Appropriately Valuing Interdisciplinary Research between Computer Science, Creativity and the Arts" HCC Colloquium, University of Colorado at Boulder, March 2017.

"Lightweight Teams: A Design Pattern for Large, Flipped Intro Classes" CS@VT talk at Virginia Tech, February 2017.

"Curriculum, Team-based Learning and Pedagogy for Gender Inclusiveness in STEM Education" HeForShe Speaker Series, University of Waterloo, Canada. June 2016.

"Affordable Participatory Improv Workshops for Responding to Explicit and Implicit Sexism in Technology" by Sarah Provencal and Celine Latulipe. Invited workshops at the NCWIT (National Coalition for Women in Technology) Summit. May, 2016.

"Socializing Computing Education Through Lightweight Teams" Video Presentation for NSF 2016 Video Showcase: Advancing STEM for All. http://stemforall2016.videohall.com/presentations/810. May 2016.

"Lightweight Teams: A Design Pattern for Large, Flipped Intro Classes", **Keynote Speaker**, University of Maryland's Innovation in Teaching and Learning Conference. April, 2016.

"The Digital Humanities as Public Humanities—Theory, Practice, and Case Studies" panel presented at the Imagining America Conference 2015, with Teresa Magnum, Anne Balsamo, Lisa Nathan and Mona Frederik, October, 2015

"Appropriately Valuing Inter-Disciplinary Research between Computer Science, Creativity and the Arts", Arizona State University Digital Cultures Speakers Series, November 2015.

"Borrowing from HCI: Teamwork, Design and Sketching for Intro Programming Classes" UCIL Brown Bag Lunch Speaker, University of Maryland, October 2015.

"Appropriately Valuing Inter-Disciplinary Research between Computer Science, Creativity and the Arts", Interactive Systems Research Center Seminar Series, University of Maryland Baltimore County, October 2015.

"HCI, Art & Creativity". At Designing the Digital Future: A Human-Centered Approach to Informatics, University of Iowa, November 2014.

"Movement Work at a Distance: Affordances and Challenges" **Keynote Speaker**, International Workshop on Movement and Computing, June 2014.

"The Value of Creativity and the Arts" **Keynote Speaker**, ACM Creativity & Cognition, Conference. June, 2013.

"Embodied Expressiveness & Creativity Support Measurements". SigCHI Paris Talk, December 2012.

"Psychometric and Physiometric Tools for Creativity Support Evaluation." Presented at the Workshop on Evaluation of Creativity Support Environments, at the Design, Cognition & Creativity Conference, Texas A&M University, June 2012.

"Digital art: evaluation, appreciation, critique" Presented with David England, Linda Candy and Jill Fantauzzacoffin. Invited SIG Presentation at ACM CHI 2012.

"Triangulating the Personal Creative Experience: Self-Report, External Judgments, and Physiology." Presented at GI Conference, Toronto, May, 2012.

"Layered Surveillance." Presented (with Annabel Manning) at the Duke ISIS Tech and New Media Speaker Series, April, 2012.

"Expressive Interaction and Evaluating Creativity Support." Presented at Stanford University, February, 2012.

"Expressive Interaction and Evaluating Creativity Support." Presented at Adobe Research, February, 2012.

"Building and Evaluating Creative Interaction." Presented at Carnegie Mellon University, Pittsburgh, PA. April 27, 2011.

"Building and Evaluating Creative Interaction." Presented at the University of Washington, Seattle, WA. March 9, 2011.

"Building and Evaluating Creative Interaction." Presented at Microsoft Research, Bellevue, WA. March 7, 2011.

"Exquisite Interaction: Dance and Art Driving Tech." Presented at Subversive Manifesto for Underground Technology, College Station, TX. February 4, 2011.

"Building and Evaluating Creative Interaction." Presented at Texas A&M University, College Station, TX. February 2, 2011.

"Building and Evaluating Creative Interaction." Presented at Georgia Tech University, Atlanta, GA. January 27, 2011.

"Building and Evaluating Creative Interaction." Presented at NC State University, Durham, NC. January 26, 2011.

"The Creativity Lens." Presented at the Interactive Systems Architecture workshop, which was part of the Research Roadmap for Interactive Technology sponsored jointly by the NSF, CCC/CRA and ACM/SIGCHI. Jackson Hole, Wyoming, August, 2010.

"The Power of Two: Dual-Cursor Interaction Techniques in Creative Embodied Interaction." Presented at the Berkeley Institute of Design, Berkeley, CA, October 2009.

"The Power of Two: Supporting Multiple Cursors for Expressive Interaction." Presented at UC Davis, Davis, CA, October, 2009.

"Two-Handed Interaction Techniques." Presented at SolidwWorks, Concord, MA, December 2008.

"Two-Handed Interaction and Tabletop Environments." Presented to the Interactive Research Group at Philips Research in Eindhoven, Netherlands, June 2007.

"Symmetric Two-Handed Interaction." Presented to the Computer Science Department, Swansea University, January 2006.

"Shh! Don't tell them it's Programming." Presented at the Association for Computer Studies Educators (ACSE) Fall Conference, November 2005.

"An Introduction to Programming with Alice." Presented at the Imperial Oil Seminar for Computer Studies Educators, August 2005.

"Designing Interfaces for Variable Display Sizes." Presented at the 2005 Imperial Oil Seminars in Computer Science for Young Women", May and June, 2005.

"Getting Fonts on Screen." Presented at the 2004 Imperial Oil Seminars in Computer Science for Young Women", May and June, 2004.

"Jumping into the Leaky Pipe, or Why I Used to Hate Computer Science." Presented at the Imperial Oil Seminar for Computer Studies Educators, August 2003.

"Extending the Model for Two---Handed Input." Earned the Best Oral Presentation in Information Technology award at the 2001 University of Waterloo Graduate Student Research Conference.

Celine Latulipe and Margaret Dulat. "Longitudinal Haptic Feedback Results." Presented at the 2000 University of Waterloo Graduate Student Research Conference.

Journal/Conference Reviewer
>International Journal of Human-Computer Studies
>Interacting with Computers Journal
>ACM Journal: Transactions on Computer-Human Interaction (ToCHI)
>ACM Conference on User Interface Software and Technology (UIST)
>ACM Conference on Computer Human Interaction (CHI)
>ACM Conference on Computer-Supported Cooperative Work (CSCW)
>ACM Conference on Creativity & Cognition (C&C)
>ACM Conference on Designing Interactive Systems (DIS)
>ACM NordiCHI Conference
>International Conference on Ubiquitous Computing (Ubicomp)
>ACM Tangible and Embedded Interaction (TEI)
>IEEE 3D User Interfaces
>IEEE Tabletop
>Graphics Interface

Program Committees
>ACM CHI Program Committee, 2018, 2019
>ACM CHI Program Committee, 2017
>ACM CHI Arts Award Chair, 2016
>**General Chair of ACM UIST 2015**
>ACM Creativity & Cognition Award Committee, 2015
>ACM CHI Program Committee, 2013
>**Co-Chair of ACM CHI Student Research Competition**, 2013 and 2014

Co-Chair of ACM UIST Program Committee, 2012
ACM CHI Program Committee, 2012
ACM Creativity & Cognition Program Committee, 2011
Co-organizer of the CRA/CCC/NSF/ACM SIGCHI Interactive Systems Architecture Workshop, Wyoming, August 2010
ACM UIST Program Committee, 2010
ACM CHI Program Committee, 2010
Co-Chair ACM Creativity & Cognition Graduate Symposium, 2009
ACM CHI Program Committee, 2009
IEEE 3DUI Program Committee, 2009
ACM UIST Program Committee, 2008
Charlotte Visualization Symposium Program Committee, 2008
ACM UIST Program Committee, 2007
Graphics Interface Program Committee, 2006

Editorial Boards/Panels

Canadian Foundation for Innovation Panelist, 2016
Panelist at ACM Creativity & Cognition Graduate Symposium, 2015
Panelist at ACM UIST Doctoral Symposium, 2013
NSF Review Panel, 2016
NSF Review Panel, 2015
NSF Review Panel, 2014
NSF Review Panel, 2012
NSF Review Panel, 2010
NSF Review Panel, 2009

Professional Affiliations/Memberships

Member of ACM and ACM SIGCHI

Community Service

Judge for America's Datafest Competition, 2013.

Member, Steering Committee for CHI Arts Community, 2013 – present.

Member, Steering Committee for ACM Creativity & Cognition. 2012 – present.

Vice Chair of ACM SIGCHI UIST Community. 2012 – present.

Outreach presentation on "Computing and the Arts" for young girls interested in science at Discovery Place, April, 2012.

Volunteer Salesperson for the Light Factory (Museum of Photography) Fund-Raising Auction in Charlotte, November, 2012.

Educational Dance Concert March 29th, 2012. Spoke to audience of middle school children about interdisciplinary work.

Participant in "Developing a Creativity Research Cannon." **NSF Workshop** led by Winslow Burleson online in Second Life, Summer 2010.

Internal Service

University Committees

University Faculty Council 2017-2019

Faculty Library Advisory Committee, Member 2016 – 2018

University College Faculty Committee, Member 2014 – 2015. Helped review changes to UC programs and approve new General Education courses.

DegreeWorks Steering Committee, Member 2014 – 2014, helped provide feedback on new graduate catalog system.

Prospect for Success Committee, Member 2014 – 2014, helped to define how CCI courses would contribute to Prospect goals.

Member, Learning Management Systems Committee, 2012 - 2014. Provided feedback on Moodle, extensions, usage and issues from CCI.

Member, CLAS-CCI Cross College PhD Exploratory Committee, 2014 - 2015. Represented SIS in discussions about the possibility of a cross-college PhD program.

Center for Humanities, Technology, and Science Advisory Council, 2007-2009

Area Leader, University of North Carolina at Charlotte Center for Professional and Applied Ethics, 2007-2009 (Acted as a liaison between Center and College of Computing and Informatics).

Member, University of North Carolina at Charlotte New Media Working Group, 2006-2008.

College Committees

Faculty President Elect, 2018 - 2019

College Review Committee, Member. 2017-2018

Member, CS Teaching Search Committee, 2014 - 2015. Helped advertise, screen and interview candidates for the CS Teaching Professor Position.

Faculty President Elect, 2013 - 2014. Helped lead college-level committee and governance restructuring to strengthen faculty influence and reduce workload. Stepped down in April 2014 for personal reasons.

Social Media Strategy Committee, 2013. Provided feedback and guidance on social media strategy for the College, however, this was not implemented.

Library Committee (alternate) 2012.

Chair, College of Computing and Informatics Philosophy Advisory Committee (CCIPAC - Responsible for efforts to embed critical thinking and ethics into the CCI curriculum), 2007-present.

Ad hoc PhD Recruiting Committee, 2007-2009.

Member, College Ad Hoc Committee for Curriculum Innovation, 2006-2007 (Took the lead in writing a large NSF proposal).

Department Committees

Department Review Committee, Member. 2018-2019

SIS Search Committee 2016 – present

Graduate Advisor for Dual Degree Architecture/SIS Masters Program. Advised students on courses to complete, worked with architecture colleagues to sort out administrative issues as program matured. 2014 – present.

Undergraduate Committee, 2007-2010, Chair 2009-2010, 2012-2015, 2018-2019. (Helped to review course proposals, and develop and establish new tracks in the curriculum.)

Member. SIS Search Committee 2014 - 2015

Teaching Professor Search (chair of the committee), Spring 2012.

Faculty Search (chair of the committee), Fall 2012.

Graduate Committee, 2010-2011. (Helped to review 8 course proposals.)

Ph.D. Dissertation/Master's Thesis/Baccalaureate (Honors) Committees

Stacey Watson, SIS, UNC Charlotte, PhD in 2018
Lorraine Stanton, College of Education, UNC Charlotte, PhD in 2017
Jinyue Xia, SIS, UNC Charlotte, PhD in 2017
Drew Skau, CS, UNC Charlotte, PhD in 2017
Bruno Cardoso, Universidade Nova de Lisboa, Portugal, PhD in 2016
Felesia Stukes, SIS, UNC Charlotte, PhD in 2016
Raghavi Sakpal, CS, UNC Charlotte, PhD in 2015

Michael Whitney, SIS, UNC Charlotte, PhD in 2014
Andrew Besmer, SIS, UNC Charlotte, PhD in 2014
Jason Watson, SIS, UNC Charlotte, PhD in 2014
Julie Wagner, External, INRIA, France, PhD in 2012
Pam Wisniewski, SIS, UNC Charlotte, 2012
Eve Powell, Computer Science, UNC Charlotte, PhD in 2012
Jeffrey Scott, Architecture, UNC Charlotte, Masters in 2011
Amy Ulinski, Computer Science, UNC Charlotte, PhD in 2010
Andrew Craven, Architecture, UNC Charlotte, Masters in 2009
Jeremy Roh, Architecture, UNC Charlotte, Masters in 2007

Other Service

Nomenclator for UNCC Commencement Ceremonies, 2012 – present.

Participant in Bank of America Women in Technology Symposium, July 2015.
Represented UNC Charlotte at this two-day event in NYC.

Discovery Place Presentation for Girls Computing Program. Spoke to a group of 25
young girls (elementary school ages) about how computing can be creative. 2015.

Talk on Gamification. Outreach activity for the IBM Social Business User Group, a group
of about 30 business people in uptown Charlotte. May 2015.

Advance Faculty Mentor for a new Assistant Professor in the College of Health and
Human Services, 2015 – 2016.

Faculty Mentor for ACM-W group, 2014-present.

Led the organization of the Department Faculty Retreat in 2010.

Helped promote the department and college by giving lab tours, research
demonstrations, talks to campers, etc.

Represented the department and college in the local media, appearing twice on the
local NPR radio show "WFAE's Charlotte Talks".

Faculty advisor for Interact student group, 2009 – 2012.

Served on Academic Integrity Board Disciplinary Hearing Panel in May 2010.

References

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