

JESSICA PATER

Ph.D Candidate, Human Centered Computing – Georgia Institute of Technology
Research Associate II – Georgia Tech Research Institute and GT College of Computing

CONTACT

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RESEARCH INTERESTS

My research focuses on how culture and social computing technologies influence behavior and identity. Specifically, I analyze how these tools and environments influence information seeking and presentations of self, and how this manifests offline and online behavior. I hope to leverage my research into influencing potential design considerations for online communities and creating more informed education to improve the everyday health of children, teens, and adults online.

Keywords: Social computing, digital self-harm, online communities, behavioral health, cybersafety, teens and media, survey design, qualitative research methods

SKILLS

User studies – evaluation, design, experience, focus groups, interviews, survey design, requirements gathering and generation
Computing - Basic Java, Python, and SQL experience
Organizational support and documentation
Strategic planning

EDUCATION

Georgia Institute of Technology, Atlanta, GA

Ph.D. in Human Centered Computing, focus in Social Computing (2012 – Current)

Advisor: Dr. Beth Mynatt

Focus area: Digital Self-Harm and Behavioral Health of Adolescents

M.S. in International Affairs (2009 – 2011)

Advisor: Dr. Jennie Lincoln

“Building Citizenship in Virtual Worlds”

B.S. in International Affairs, minor in Public Policy (2001 – 2006)

Senior Project: “Feasibility of EU-like Structures in South America – Understanding Culture and Citizenship in the South American Community of Nations”

FUNDING (\$1,879,402.50)

Engaging Girls in STEM 2014 (Co-PI) Governor's Office of Student Achievement, \$198,885	Technology Integration Teacher Professional Development Training 2008 (PI) DeKalb County Schools (GA), \$159,444
Distance Learning in Rural Education 2014 (Co-PI) USDA, \$49,493.50	Cybersafe Schools & Communities – Family Technology Resource Center 2007 (PI) DeKalb County Schools (GA), \$483,896\
Healthcare Applications in Virtual Worlds 2012 (PI) SAIC, \$50,000	<i>Internal R&D Grants</i> Georgia Tech Virtual (2009-2011) Georgia Tech Research Institute \$172,645
Technology Integration and Training in OLIVE 2011 (PI) SAIC, \$38,000	Building Communities of Practice in K12 Distance Learning (2008-2009) Georgia Tech Research Institute \$86,500 (PI)
Strategies for Distance Learning – D2D 2011 (Co-PI) Arthur Vining Davis Fdtn, \$198,660	Visualization and Scientific Analysis via Virtual Immersion (2007-2008) Georgia Tech Research Institute \$125,000 (Co-PI)
Summer Extravaganza – STEM Camps 2009 – 2010 (PI) DeKalb County Schools (GA), \$49,901	
Cybersafety Research and Training 2008 – 2010 (PI) DeKalb County Schools (GA), \$293,978	

AWARDS/HONORS

2015	Honorable Mention, CSCW 2015 Nominated from the top 5% of accepted papers
2015	Georgia Tech Foley Scholar Fellowship
2013	Best Student Paper Award, Pervasive Health 2013 Nominated from top 10% of accepted papers.
2012	Excellence in Research Award, Info-Sci Journals Group Selected as the premier article for the International Journal of E-Politics

PUBLICATIONS (Selected)

Journal Articles

- A. Foreman, P. Baker, J. Pater and K. Smith. Beautiful to Me: Identity, Disability, and Gender in Virtual Environments. *International Journal of E-Politics (IJEP)*, 2(2). 2011 (**Best Journal Article Award**)
- P. Baker, A. Fairchild, and J. Pater. E Accessibility and Municipal Wi-Fi: Exploring a Model for Inclusivity and Implementation. *International Journal of Information Communication Technologies and Implementation (IJICTHD)*. 2(2). 2010.

Book Chapters

- R. Todd, P. Baker, and J. Pater. Enhancing Educational Participation in Virtual Worlds. In Sue Gregory (ed.) *Virtual Worlds in Online Distance Education*. Sydney, Australia. Athabasca University Press 2012
- P. Baker, A. Fairchild, and J. Pater. E-Accessibility and Municipal Wi-Fi – Exploring a Model for Inclusivity and Implementation. In S. Chabra (ed.) *ICTs for Advancing Rural Communities and Human Development: Addressing the Digital Divide*. 2012.
- A. Foreman, P. Baker, J. Pater, and K. Smith. Leveling the Playing-field: Disability and gender representations in Second Life. In C. Livermore (ed.) *Gender and Social Computing: Interactions, Differences and Relationships*. IGI Global. 2011.

Federal Reports

- J. White, P. Baker, R. Todd, N. Moon, B. Fain, and J. Pater. The Power of Inclusion: Technology's Impact on Employment and Opportunities for People with Disabilities. National Council on Disability, 2011.

Peer Reviewed Conference Papers

- S. Chancellor, J. Pater, T. Clear, E. Gilbert, M. De Choudhury. #thyghgapp: Instagram Content Moderation and Lexical Variation in Pro-Eating Disorder Communities. *ACM Conference on Computer Supported Work and Social Computing (CSCW 2016)*. **Honorable Mention Award**. (25% acceptance rate)
- J. Pater, O. Haimson, N. Aandalibi, E. Mynatt. "Hunger Hurts but Starving Works:" Characterizing the Presentation of Eating Disorders Online. *ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2016)*. (25% acceptance rate)
- J. Pater, A. Miller, E. Mynatt. This Digital Life: A Neighborhood-Based Study of Adolescents' Lives Online. *ACM Conference on Human Factors in Computing Systems (CHI 2015)*. (23% acceptance rate)
- J. Pater, Y. Nadji, E. Mynatt, and A. Bruckman. Just Awful Enough – The Functional Dysfunction of the Something Awful Forums. *ACM Conference on Human Factors in Computing Systems (CHI 2014)*. (23% acceptance rate)

- J. Pater, T. Boston, L. Smee, M. DiSalvo, and J. Demmers. Exploring the Explorers Guild – An analysis of a decade of technology-focused teacher professional development. *AACE Conference for the Society for Information Technology & Teacher Education (SITE 2014)*.
- A. Miller, J. Pater, and E. Mynatt. Design Strategies for Youth-Focused Pervasive Social Health Games. *Pervasive Computing Technologies for Healthcare (Pervasive Health)*. Venice, Italy, 2013. **(Best Student Paper Award)** (32% acceptance rate)
- P. Baker, J. Bricourt, J. Pater, N. Moon, B Coughlan. The Persistence of Participation: Community, Disability, and Social Networks. *Annual American Political Science Association Meeting and Exhibition*. Seattle, WA USA, 2011. (20% acceptance rate)
- L. Smee, J. Pater, and V. Sheppard. Distance Arts Education: Impacts and Assessments. *AACE World Conference on Education, Multimedia, Hypermedia, and Telecommunications*. Lisbon, Portugal 2011. (36% acceptance rate)
- P. Baker, J. Bricourt, N Moon, B. Coughlan, and J. Pater. Social Media, Participation, and E-Accessibility. *Annual National Association of Rehabilitation Research and Training (NARRTC)*. Washington, DC. 2011.
- P. Baker, A. Fairchild, J. Pater, and A. Seavy. Community Participation and Virtual Spaces: Design Considerations for Inclusivity. *European Conference on eGovernment*. Limerick, Ireland, 2010. (41% acceptance rate)
- P. Baker, J. Bricout, N. Moon, B. Coughlan, and J. Pater. Ageing of Participation: Community, Work, and Social Networks. *International Conference on Ageing, Disability, and Independence (ICADI)*. Newcastle, U.K. 2010.
- J. Pater, J. Evans, W. Matthews, and C. Mote. Direct to Discovery: Expanding Research Laboratories into K12 Classrooms to enhance Science, Technology, Engineering, and Mathematics Education. *IADIS Conference on Cognition and Exploratory Learning in the Digital Age (CELDA)*. Rome, Italy 2009. (20% acceptance rate)
- J.Evans, J. Pater, and W. Matthews. Network Performance Requirements for Innovative Student Learning. *IADIS Conference on WWW/Internet*. Rome, Italy 2009. (22% acceptance rate)
- W. Matthews, J. Pater, J. Evans, and C. Huff. Direct to Discovery – Learning Beyond the Bandwidth Barrier. *AACE World Conference on Educational Multimedia, Hypermedia and Telecommunications (Ed-Media)*. Honolulu, Hi USA, 2009.
- P. Baker, A. Fairchild, and J. Pater . Municipal Wi-Fi and e-Accessibility – The Impact of Business Models on Stakeholder Inclusion. *European Conference on Mobile Government (EURO mGOV)*. Barcelona, Spain 2009.
- J. Pater, C. Huff, S. Dowling, and M. DiSalvo. Exploring the Potential and Pitfalls of Second Life Applications for the K12 Classroom. *IADIS International Conference on Cognition and Learning in the Digital Age (CELDA)*. Algarve, Portugal 2007 (27% acceptance rate)

Invited Presentations

- M. DiSalvo and J. Pater. Project ENGAGES – Engaging the next generation of Georgia Students in STEM. *Georgia Department of Education Engineering and Technology Educators Conference*. Atlanta, GA. 2015.
- M. DiSalvo and J. Pater. Community and Higher Education Partnerships with K12 Schools. *Georgia Department of Education STEM Summit*. Athens, GA. 2014.
- J. Pater and M. DiSalvo. Cyberbullying, Social Media, and the Law. *Georgia Schools Public Relations Association Conference*. Atlanta, GA 2011
- J. Pater. Cybersafety Policies and Procedures. *DeKalb County Leadership Conference*. Stone Mountain, GA. 2010
- J. Pater. Social Media Strategies: Social Media and the 21st Century Classroom. *Georgia Digital Government Summit*. Atlanta, GA. 2010
- J. Pater. Virtual Worlds and teacher Professional Development – Implications for the Future. *European 3D Internet and Virtual Worlds Conference (MetaMeets)*. Dublin, Ireland 2010.
- J. Pater. Social Media and Schools. *Annual Georgia Schools Public Relations Association Conference*. Atlanta, GA. 2009
- J. Pater. Twitter 101: Lessons on how to be Effective for K12 Schools. *Annual Georgia Schools Public Relations Association Conference*. Atlanta, GA. 2009
- J. Pater and L. McCook. Tips and Tricks for Effective Proposal Writing. *U.S. Representative Phil Gingrey's Federal Grants Supermarket*. 2009
- L. McCook and J. Pater. Finding Opportunities for Project Development in Disaster Relief. *Intel Hurricane Leadership Program*. Atlanta, GA 2008.

Organized Workshops

- C. Fiesler S. Chancellor, A.L. Hoffmann, J. Pater, N.J. Proferes. Challenges and Futures for Ethical Social Media Research. *10th International AAAI Conference on Web and Social Media (ICWSM-16)*.
- P. Baker and J. Pater. Communities: Social Media, Participation, and the Engagement of Stakeholders. *Annual Conference of the Association of Internet Research (AoIR)*. Seattle, WA USA. 2011
- S. Dowling and J. Pater. Teens Online – Strategies for increasing cybersafety awareness and education. *ISTE National Education and Computing Conference*. San Antonio, TX. 2008.
- S. Dowling and J. Pater. Meeting the Cyberthreat Challenge in Schools. *Georgia Educational Technology Conference*. Atlanta, GA. 2007.

Workshop Papers

- J. Pater and E. Mynatt. #thinspiration: Exploring the Ethics of Research Focused on Teens, Self-harm and Social Computing. *Presented in Ethics for Studying Online Sociotechnical Systems in a Big Data World at the ACM Conference for Computer Supported Cooperative Work and Social Computing (CSCW 2015)*. Vancouver, Canada. 2015.
- A. Miller, J. Pater, and E. Mynatt. Step Stream: A Social Fitness Intervention for Middle School Students. Presented at the Workshop on Interactive Systems in Healthcare (WISH). *AMIA Annual Symposium*. Washington, DC. 2013.
- A. Miller, J. Pater, and E. Mynatt. Step Stream: A social Fitness Intervention for Middle School Students. Presented at the Workshop on Interactive Systems in Healthcare (WISH). *AMIA Annual Symposium*. Chicago, IL. 2012.
- P. Baker and J. Pater. Social learning, social media, and the aging. *Presented in Communities: Social Media, Participation, and Engagement of the Other at the Annual Conference of the Association of Internet Research (AoIR)*. Seattle, WA USA. 2011
- J. Pater and S. Dowling. Social Networking in the Classroom – Risks and Rewards. *International Society for Technology in Education Conference (ISTE)* San Antonio, TX. 2008