

ARPITA BHATTACHARYA

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RESEARCH INTEREST

Designing technology for mental health and social well-being, Behavior Change, Human Computer Interaction

EDUCATION

University of Washington

Second year Ph.D. student in Human Centered Design and Engineering (HCDE)
Advisers: Dr. Julie Kientz, Dr. Sean Munson

Seattle, WA
Jun '15 - current

Georgia Institute of Technology, College of Computing

Master's in Computer Science (MS CS)
Specialization: Human Computer Interaction (HCI).

Atlanta, GA
Aug '13 - May '15

Mumbai University, Vivekanand Institute of Technology

Bachelor's in Computer Engineering

Mumbai, India
Jul '09 - Jul '13

RESEARCH EXPERIENCE

- **University of Washington**, Research Assistant Jun '15 – current
PI: Julie A. Kientz, Sean A. Munson, Roger Vilaradaga (*Summer '15 to current*)
 - Designing self-experimentation based tools to support quitting smoking by understanding provider and client perspectives (funded by the UW Innovation Award).
- **Georgia Institute of Technology**, Graduate Research Assistant Aug '14 - May '15
PI: Agata Rozga, Gregory D. Abowd, Brian Magerko
 - Design, development, and evaluation of Kinect based games for supporting collaboration and social interaction in children with autism (funded by Graphics, Visualization, and Usability (GVU) Seed grant).
- **Atlanta Veteran's Affairs Medical Center (VAMC)**, Volunteer Research Associate Jan '14- May '15
PI: Erica Duncan, M.D.
 - Data analysis to evaluate impact of Oxytocin drug on social behavior of outpatients with schizophrenia.

PUBLICATIONS

- [1] [Arpita Bhattacharya](#), Roger Vilaradaga, Julie A. Kientz, Sean A. Munson. *Lessons from Practice: Individualizing the Design of Tools to Facilitate Quitting Smoking*. CHI'17, Denver, CO.
- [2] Kiley Sobel, [Arpita Bhattacharya](#), Alexis Hiniker, Jin Ha Lee, Julie A. Kientz, Jason Yip. "It wasn't really about the Pokémon": Understanding Families' Experiences with a Location-Based Mobile Game." CHI'17.
- [3] Katie O'Leary, [Arpita Bhattacharya](#), Sean A. Munson, Jaccob O. Wobbrock, Wanda Pratt. *Design Opportunities for Mental Health Peer Support Technologies*. CSCW 2017, Portland, OR.
- [4] [Arpita Bhattacharya](#), Mirko Gelsomini, Patricia Pérez-Fuster, Gregory D. Abowd, and Agata Rozga. *Designing motion-based activities to engage students with autism in classroom settings*. In Proceedings of the 14th International Conference on Interaction Design and Children (IDC '15). ACM, New York, NY, USA, 69-78. DOI=10.1145/2771839.2771847.
- [5] Sharmila Sengupta, [Arpita Bhattacharya](#), Aarti Gupta, Pranita Desai. *Automated lip reading technique for password authentication*. International Journal of Applied Information Systems (IJ AIS), September 2012, Volume 4, No. 3 (ISBN: 978-93-65823-29-7).

- [6] Sharmila Sengupta, Arpita Bhattacharya, Pranita Desai, Aartidevi Gupta. *Gaze-tracking based on Artificial Neural Network for teaching-aid*. International Journal of Global Technology Initiatives (IJGTI), December 2012.

WORKSHOP PAPERS & ABSRACTS

- [1] *Fostering Social Support through Technology in Mental Health Care*. Arpita Bhattacharya. Participant paper, CHI'16, Computing and Mental Health Workshop.
- [2] Arpita Bhattacharya, Sean A. Munson, Roger Vilardaga, Julie A. Kientz, James Fogarty, Jasmine Zia. *Understanding Requirements for Self-Experimentation to Tailor the Effectiveness of Mobile Interventions for Smoking Cessation*. Symposium, To blend or not to blend: advantages of mixing ACT with new technologies. 2016 Conference of the Association for Contextual Behavioral Science (ACBS). Seattle, WA. June 2016.
- [3] Roger Vilardaga, Javier Rizo, Arpita Bhattacharya, Emily Y. Zeng, Brian Marr, Julie Kientz, Richard Ries. *UX design and N-of-1 trials of Learn to Quit, a novel smoking cessation app for chronic mental illness*. Society on Research in Nicotine and Tobacco. Florence, Italy. Feb 2017.
- [4] Nicholas Massa, Arpita Bhattacharya, John A. Sweeney, Godfrey D. Pearlson, Matcheri S. Keshavan, Carol A. Tamminga, Brett A. Clementz, Erica Duncan. *Acoustic Startle Latency is Prolonged in Schizophrenia in the Bipolar-Schizophrenia Network on Intermediate Phenotypes (B-SNIP) Cohort*. Biological Psychiatry, Atlanta, GA. Dec 2016.
- [5] Elissar Andari, Molly Fargotstein, David Halverson, Danielle Currin, Arpita Bhattacharya, Dmitriy Gitman, Bruce Cuthbert, Larry Young, Erica Duncan. *Effects of Oxytocin on Social and Emotional Responsiveness in Patients with Deficit Syndrome Schizophrenia: A Preliminary Study*. Annual meeting of the Society of Biological Psychiatry. Atlanta, GA. May 2016.

WORK EXPERIENCE

- **IBM Design, Software Design Intern** **Austin, TX** *Jun'14 - Aug'14*
User Experience research and iterative prototyping on three design projects for mobile devices in the IBM *Maelstrom* intern group led by Devin O'Bryan.
- Student Services, Georgia Tech Professional Education for the Online MS CS program, *Jan '14 – May '14*.

AWARDS

- Top Scholars Award (\$2,500), University of Washington, 2015-16.
- Sir Ratan Tata Trust Scholarship, 2011-2012 (India).
- Merit-cum-Means Scholarship for Undergraduate Studies, 2010-11 & 2009-10 (India).

VOLUNTEERING

- Student volunteer at *National Alliance for Mental Illnesses* (NAMI), Appreciative Living Learning Circle led by Dr. Helen Teresa Buckland: support group for youth with psychotic illnesses, *January 2016 to current*.
- Student volunteer at the Huskies Suicide Prevention and Awareness, Husky Help, and Hope (H3) Walk, 2016.
- Student volunteer at the conference on *Interaction Design and Children* (IDC), *June 2015*, Boston, MA.
- Summer volunteer: teaching at a rural education program in Navi Mumbai, India, *June-August 2012 & 2013*.

COMMUNITY TRAININGS

- Mental Health First Aid USA Training (Adult & Youth), National Council for Behavioral Health, Spring'17
- Active Bystander Training, University of Washington Green Dot, Winter'16
- Suicide prevention and alertness training, SafeTALK, Forefront, Winter'16