

ARPITA BHATTACHARYA

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RESEARCH INTEREST

Designing for Health, Behavior Change, Collaboration, Gaming, Human Computer Interaction

EDUCATION

University of Washington **Seattle, WA**
Fifth year Ph.D. Candidate in Human Centered Design and Engineering (HCDE) *Jun '15 - current*
Advisors: Dr. Julie Kientz, Dr. Sean Munson

Georgia Institute of Technology, College of Computing **Atlanta, GA**
Master's in Computer Science (MS CS). *Aug '13 - May '15*
Specialization: Human Computer Interaction (HCI).

Mumbai University **Mumbai, India**
Bachelor's in Computer Engineering *Jul '09 - Jul '13*

INDUSTRY EXPERIENCE

- **Microsoft Research and Artificial Intelligence, Research Intern** **Redmond, WA** *Jun '18 - Sep '18*
Led a field-study using AI-based tool for affective computing and field observations for wellbeing in the workplace under the mentorship of Dr. Mary Czerwinski, Dr. Gloria Mark, and Dr. Daniel McDuff.
- **IBM Design, Software Design Intern** **Austin, TX** *Jun '14 - Aug '14*
Conducted interviews, developed personas, and iteratively prototyped for three design projects for improving customer experience on mobile devices in IBM *Maelstrom* intern group led by Devin O'Bryan.

SKILLS

- *UX Research:* Survey, Interviews, Field Observations, Field Deployment Experimental Design, Codesign, Sketching, Wireframing (Illustrator, Balsamiq, Azure)
- *Analysis & Programming Tools:* Python, R, C#, Java, JavaScript, HTML, CSS, MySQL

RESEARCH EXPERIENCE

- **University of Washington, Graduate Research Assistant** *Jun '15 - current*
PI: Julie A. Kientz, Sean A. Munson
 - Designing to support teenagers with stress management and depression using Asynchronous Remote Communication (ARC) method by enrolling teens in private online groups.
- **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 (Peer reviewed)

- [1] **Arpita Bhattacharya**, Calvin Liang, Emily Y Zeng, Kanishk Shukla, Miguel Rios Wong, Sean A. Munson, and Julie A. Kientz. *Engaging Teenagers in Asynchronous Remote Groups to Design for Stress Management*. 2019. To appear in Interaction Design and Children 2019 (IDC '19), Boise, ID.
- [2] **Arpita Bhattacharya**, Travis W. Windleharth, Ivy Acevedo, Rio Ishii, Cecilia Aragon, Julie A. Kientz, Jason Yip, Jin Ha Lee. *Group Interactions in Location Based Gaming: A Case Study of Raiding in Pokémon GO*. To appear in CHI 2019, Glasgow, UK.
- [3] Jordan Eschler, **Arpita Bhattacharya**, Wanda Pratt. *Designing a Reclamation of Body and Health: Cancer Survivor Tattoos as Coping Ritual*. CHI 2018, Montreal, Canada. (**Best Paper Honorable mention, top 5%**)
- [4] **Arpita Bhattacharya**, Samantha Kolovson, Yi-Chen Sung, Mike Eacker, Michael Chen, Sean A. Munson, Julie A. Kientz. *Understanding Pivotal Experiences in Behavior Change for the Design of Technologies for Personal Wellbeing*. In Journal of Biomedical Informatics. March 2018.
- [5] Annuska Zolyomi, Anne Ross, **Arpita Bhattacharya**, Lauren Milne, Sean A. Munson. *Values, Identity, and Social Translucence: Neurodiverse Student Teams in Higher Education*. To appear in CHI'18. Montreal, Canada.
- [6] **Arpita Bhattacharya**, Roger Vilardaga, Julie A. Kientz, Sean A. Munson. *Lessons from Practice: Individualizing the Design of Tools to Facilitate Quitting Smoking*. CHI'17, Denver, CO.
- [7] 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. Denver, CO.
- [8] 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.
- [9] **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*. Interaction Design and Children 2015 (IDC '15). Boston, MA.

ABSTRACTS, POSTERS, & WORKSHOPS

- [1] *Designing to Support Teen Mental Health using Asynchronous Online Groups*. **Arpita Bhattacharya**. Doctoral Consortium, Interaction Design and Children (IDC), June 2019.
- [2] *Understanding Needs of Recovery-Oriented Social Support Group for Young Adults Living with Mental Health Conditions*. **Arpita Bhattacharya** and Helen Teresa Buckland. Poster at the 2018 International Society of Psychiatric-Mental Health Nurses' (ISPN) Annual Conference, "Mental Health Care Amid Policy Chaos," April 10-14, 2018, Tempe, Arizona.
- [3] *Value Sensitive Design for Neurodiverse Teams in Higher Education*. Annuska Zolyomi, Anne Spencer Ross, **Arpita Bhattacharya**, Lauren Milne, and Sean Munson. Poster presentation in ASSETS 2017.
- [4] *Relationship of Prolonged Acoustic Startle Latency to Diagnosis and Biotype in the Bipolar-Schizophrenia Network on Intermediate Phenotypes (B-SNIP) Cohort*. Nicholas Massa, **Arpita Bhattacharya**, Andrew V. Owens, Sarah Keedy, Wesley Harmon, John A. Sweeney, Godfrey D. Pearlson, Matcheri S. Keshavan, Elena I. Ivleva, Carol A. Tamminga, Brett A. Clementz, Erica Duncan. Poster presentation in American College of Neuropsychopharmacology (ACNP). Palm Springs, CA. Dec 2017.

- [5] *UX design and N-of-1 trials of Learn to Quit, a novel smoking cessation app for chronic mental illness*. Roger Vilardaga, Javier Rizo, [Arpita Bhattacharya](#), Emily Y. Zeng, Brian Marr, Julie Kientz, Richard Ries. Society on Research in Nicotine and Tobacco. Florence, Italy. Feb 2017.
- [6] *Understanding Requirements for Self-Experimentation to Tailor the Effectiveness of Mobile Interventions for Smoking Cessation*. [Arpita Bhattacharya](#), Sean A. Munson, Roger Vilardaga, Julie A. Kientz, James Fogarty, Jasmine Zia. Conference of the Association for Contextual Behavioral Science (ACBS). Seattle. June 2016.
- [7] *Acoustic Startle Latency is Prolonged in Schizophrenia in the Bipolar-Schizophrenia Network on Intermediate Phenotypes (B-SNIP) Cohort*. Nicholas Massa, [Arpita Bhattacharya](#), John A. Sweeney, Godfrey D. Pearlson, Matcheri S. Keshavan, Carol A. Tamminga, Brett A. Clementz, Erica Duncan. Biological Psychiatry, Atlanta, GA. Dec 2016.
- [8] *Effects of Oxytocin on Social and Emotional Responsiveness in Patients with Deficit Syndrome Schizophrenia: A Preliminary Study*. Elissar Andari, Molly Fargotstein, David Halverson, Danielle Currin, [Arpita Bhattacharya](#), Dmitriy Gitman, Bruce Cuthbert, Larry Young, Erica Duncan. Annual meeting of the Society of Biological Psychiatry. Atlanta, GA. May 2016.

TEACHING EXPERIENCE

Teaching Assistantship

- Global Innovation Research 521 Design Thinking Studio (Instructor Sarah Zuberec) *Sep '19-Dec '19*
- HCDE 313 User Experience Research (Instructor: Sarah Zuberec) *Apr'19-Jun'19*
- HCDE 412 Qualitative Research methods (Instructor: Dr. Charlotte Lee) *Sep'18-Dec'18*

Research Group Mentorship

- HCDE 496/596: Pokémon GO raiding study data analysis *Mar'18-Apr'18*
- HCDE 496/596: Teen stress study data analysis *Mar'18-Jun'18*
- HCDE 496/596: Youth mental health: a family-oriented approach *Mar'17-Jun'17*
- HCDE 496/596: Epiphany moments: Understanding catalysts for health behavior change *Sep'16-Mar'17*

SERVICE

- PhD Oversight Committee, Student representative, Department of HCDE, *Oct 2018- current*
- Associate Chair, reviewing papers for DIS 2019 Provocations and Work in Progress track, *Feb-Mar 2019*
- Reviewed Concept note of WHO on technology for teen stress management, *Apr 2019*
- Alternative Spring Break, K-12 Outreach Program for HCDE teaching Physical Computing to High School & Middle School students in Neah Bay, *Jan-Mar 2019*
- In Program Committee of Workshop on Mental Health: Sensing & Intervention, UbiComp 2017.
- Reviewed papers in CHI 2017, CHI 2018, IDC 2018, CHI 2019, IDC 2019.
- Student volunteer at *National Alliance for Mental Illnesses (NAMI)*, *Jan 2016 to Jun 2018*.
- Student volunteer at CHI 2019.
- Student volunteer at *Interaction Design & Children* 2019, 2015.