

ARPITA BHATTACHARYA

Curriculum Vitae

Human Centered Design and Engineering
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EDUCATIONAL HISTORY

University of Washington, Seattle, WA, USA
PhD, Human Centered Design and Engineering
December 18, 2020
Designing Guided Asynchronous Remote Communities to Support Teen Mental Health

Georgia Institute of Technology, Atlanta, GA, USA
Master of Science, Computer Science
May 2015

Mumbai University, Mumbai, Maharashtra, India
Bachelor of Engineering, Computer Engineering
May 2013

EMPLOYMENT HISTORY

University of Washington, Seattle
Seattle, WA, USA
Assistant Teaching Professor, Jan 2023- current

University of California, Irvine
Irvine, California, USA
Postdoctoral Scholar, Jan 2021-Dec 2022

University of Washington, Seattle
Seattle, WA, USA
Graduate Research or Teaching Assistant, June 2015- Dec 2020

AWARDS AND HONORS

- Award of Excellence: Graduate Award for Leadership and Engagement 2021, HCDE, UW
- Husky 100 2020, UW
- Top Scholars Award (\$2,500), UW, 2015-16.
- Sir Ratan Tata Trust Scholarship, 2011-2012 (India).
- Merit-cum-Means Scholarship for Undergraduate Studies, 2010-11 & 2009-10 (India).

PUBLICATIONS

Fully refereed conference publications

1. **Arpita** Bhattacharya, Uba Backonja, Anh Le, Ria Antony, Yujia Si & Jin Ha Lee. Understanding the Influence of Music on People's Mental Health Through Dynamic Music Engagement Model. iConference, March 2023.
2. Lucas M. Silva, Franceli L. Cibrian, Elissa Monteiro, **Arpita** Bhattacharya, Jesus A. Beltran, Clarisse Bonang, Daniel A. Epstein, Sabrina E. B. Schuck, Kimberley D. Lakes, and Gillian R. Hayes. Unpacking the Lived Experiences of Smartwatch Mediated Self and Co-Regulation with ADHD Children. CHI 2023.
3. Elizabeth Ankrah, **Arpita** Bhattacharya, Lissamarie Donjuan, Franceli L. Cibrian, Lilibeth Torno, Anamara Ritt Olson, Joel Milam, Gillian R. Hayes. *When Worlds Collide: Boundary Management of Adolescent and Young Adult Childhood Cancer Survivors and Caregivers*. CHI 2022.
4. Kathryn E. Ringland, **Arpita** Bhattacharya, Kevin Weatherwax, Tessa Eagle, Christine T. Wolf. *ARMY's Magic Shop: Understanding the Collaborative Construction of Playful Places in Online Communities*. CHI 2022.
5. Jesse J. Martinez, Travis Windleharth, Qisheng Li, **Arpita** Bhattacharya, Katy E. Pearce, Jason C. Yip, Jin Ha Lee. *Joint media engagement in families playing Animal Crossing: New Horizons during the COVID-19 Pandemic*. ACM Computer Supported Collaborative Work and Social Computing (CSCW) 2022.
6. **Arpita** Bhattacharya, Travis W. Windleharth, Cassandra Lee, Amulya Paramasivam, Julie A. Kientz, Jason C. Yip, Jin Ha Lee. *The Pandemic as a Catalyst for Reimagining the Foundations of Location-Based Games*. CHI PLAY 2021.
7. Jin Ha Lee, **Arpita** Bhattacharya, Nicole Santero, Ria Antony, Anh Le. "Finding Home": Understanding How Music Supports Listeners' Mental Health through a Case Study of BTS. International Society for Music Information Retrieval Conference 2021.
8. Lucas M. Silva, Franceli L. Cibrian, Daniel A. Epstein, **Arpita** Bhattacharya, Elizabeth A. Ankrah, Jesus A. Beltran, Sabrina E. Schuck, Kimberley D. Lakes, Gillian R. Hayes. *Adapting Multi-Device Deployments During a Pandemic: Lessons Learned from Two Studies*. IEEE Pervasive Computing. September 2021.
9. Yoojung Kim, **Arpita** Bhattacharya, Julie A. Kientz, Jin Ha Lee. "It Should Be a Game for Fun, Not Exercise": Tensions in Designing Health-Related Features for Pokémon GO. CHI 2020.
10. **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. Interaction Design and Children 2019 (IDC '19), Boise, ID.

11. **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*. CHI 2019, Glasgow, UK.
12. 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%**)
13. Annuska Zolyomi, Anne Ross, **Arpita** Bhattacharya, Lauren Milne, Sean A. Munson. *Values, Identity, and Social Translucence: Neurodiverse Student Teams in Higher Education*. CHI'18. Montreal, Canada.
14. **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.
15. 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.
16. 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.
17. **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.

Refereed archival journal publications

1. Jin Ha Lee, Nicole Santero, **Arpita** Bhattacharya, Emma May, & Emma Spiro. Community-based strategies for combating misinformation: Learning from a popular culture fandom. *Harvard Kennedy School (HKS) Misinformation Review*. 2022.
2. Jessica L. Jenness, **Arpita** Bhattacharya, Ria R. Nagar, Julie A. Kientz, Sean A. Munson. *Lessons learned from designing an asynchronous remote community approach for behavioral activation intervention for teens*. *Behaviour Research and Therapy*, 104065. 2022.
3. **Arpita** Bhattacharya, Ria Nagar, Jessica Jenness, Julie A. Kientz, Sean A. Munson. *Designing Asynchronous Remote Support for Behavioral Activation in Teenagers with Depression: Formative Study*. *Journal of Formative Research* (a sister journal of *J Med Internet Res* (JMIR)). 2021.
4. Katy E. Pearce, Jason C. Yip, Jin Ha Lee, Jesse J. Martinez, Travis Windleharth, **Arpita** Bhattacharya, & Qisheng Li. *Families Playing Animal Crossing Together: Coping with Video Games During the COVID-19 Pandemic*. *Games and culture*. 2021.
5. Katy E. Pearce, Jason C. Yip, Jin Ha Lee, Jesse J. Martinez, Travis Windleharth, Qisheng Li, & **Arpita** Bhattacharya. *"I need to just have a couple of White Claws and play Animal Crossing tonight": Parents coping with video games during the COVID-19*

- pandemic. Psychology of Popular Media. 2021.*
6. **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.*
 7. Nicholas Massa, Andrew V. Owens, Wesley Harmond, **Arpita** Bhattacharya, Elena I. Ivleva, Sarah Keedy, John A. Sweeney, Godfrey D. Pearlson, Matcheri S. Keshavan, Carol A. Tamminga, Brett A. Clementz, Erica Duncan. *Relationship of prolonged acoustic startle latency to diagnosis and biotype in the bipolar-schizophrenia network on intermediate phenotypes (B-SNIP) cohort. Schizophrenia Research. November 2019.*

Abstracts, articles, posters, & workshops

1. *Life goes on with Pokémon: reimagining the design of location-based games during the COVID-19 pandemic. Arpita* Bhattacharya, Jin Ha Lee, Julie A. Kientz, Jason C. Yip. XRDS: Crossroads, The ACM Magazine for Students, 28(2), 70-75.
2. *Tensions in Designing Technology for Adolescent Mental Health Support. Arpita* Bhattacharya, Ria Nagar, Jessica Jenness, Sean A. Munson, Julie A. Kientz. Rethinking Mental Health. CHI Workshop, April 2020.
3. *Designing to Support Teen Mental Health using Asynchronous Online Groups. Arpita* Bhattacharya. Doctoral Consortium, Interaction Design and Children (IDC), June 2019.
4. *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.
5. *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.
6. *Understanding Needs of Recovery-Oriented Social Support Group for Young Adults Living with Mental Health Conditions. Arpita* Bhattacharya and Helen Teresa Buckland. Accepted and to be presented as a 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.
7. *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.
8. *Fostering Social Support through Technology in Mental Health Care. Arpita* Bhattacharya. Participant paper, CHI'16, Computing and Mental Health Workshop.
9. *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.
10. *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.
11. *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 ACTIVITY

Undergraduate Courses

- UW HCDE 412 Qualitative Research Methods (Instructor) *Winter 2023*
- UCI INF4MATX 161 Social Analysis of Computing (Instructor) *Fall 2022*
- UCI INF4MATX 132 Projects in HCI (Instructor) *Spring 2022*
- UCI INF4MATX 161 Social Analysis of Computing (Instructor) *Winter 2022*
- UCI INF4MATX 131 Human Computer Interaction (Instructor) *Fall 2021*
- UW HCDE 210 Explorations in Human Centered Design (TA, Instructor: Mitchell Fajardo) *Winter 2020*
- UW HCDE 313 User Experience Research (TA, Instructor: Sarah Zuberec) *Spring 2019*
- UW HCDE 412 Qualitative Research methods (TA, Instructor: Dr. Charlotte Lee) *Fall 2018*

Master's Courses

- UW HCDE 519 Qualitative Research Methods (Instructor) *Spring 2023*
- UW HCDE 519 Qualitative Research Methods (Instructor) *Winter 2023*
- Global Innovation Research 521 Design Thinking Studio (TA, Instructor: Sarah Zuberec) *Fall 2020*
- UW HCDE 519 Qualitative Research Methods (Instructor) *Spring 2020*
- Global Innovation Research 521 Design Thinking Studio (TA, Instructor: Sarah Zuberec) *Fall 2019*

PhD Courses

- UW HCDE 545 Qualitative Research Methods (Instructor) *Spring 2023*

Guest lectures

- UW INFO 498 Exploring Information Science through BTS & Kpop taught by Dr. Jin Ha Lee: Music & mental health. *Spring 2023*.

- UW HCDE 318 Introduction to User Centered design taught by Dr. Sarah Coppola: Coding interview data. *Winter 2023*
- UW M-HCID Capstone taught by Dr. Kristin Dew. Value Sensitive Design. *Spring 2020*
- UW HCDE 545 Qualitative Research Methods taught by Dr. Charlotte Lee. Demo of qualitative analysis methods & tools. *Spring 2019 & Spring 2020**
- UW HCDE 210 Explorations in Human Centered Design taught by Andrew Davidson. *Winter 2019*

Peer Teaching Evaluations

Course	Quarter	Reviewer
HCDE 412	Winter 2023	Dr. Brock Craft

OTHER SCHOLARLY ACTIVITY

Invited lectures and seminars.

1. Talk on designing for health and careers in HCI. Design & HCI club for undergraduate students at UCI. *Nov 2021*.
2. Panelist on Design & Ethics organized by UCI and a smallstudio, *Feb 2021*
3. Panelist on Misinformation in the ARMY Fandom. BTS Conference, 2021.
4. Talk on Designing Guided Asynchronous Online Groups for Teen Mental Health, Connected Learning Lab (CLL) at UCI. *Feb 2021*.

Directed Research Group Mentorship with Students

- HCDE 496/596: Location based games and wellbeing *Jan '20-Jun '20*
- HCDE 496/596: Pokémon GO raiding study data analysis *Mar'18-Apr'18*
- HCDE 496/596: Teen stress management 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

Departmental service

- Bachelor's program committee for UW HCDE *Winter & Spring 2023*
- Outreach committee for UW HCDE *Winter & Spring 2023*
- Bachelor's admissions committee for UW HCDE *Winter & Spring 2023*
- ABET committee for UW HCDE *Winter & Spring 2023*
- Reviewed Master's applications for UW HCDE in *Winter 2023*
- PhD Oversight Committee, Student representative, UW HCDE, *Oct 2018- Sep 2020*
- Reviewed PhD applications for UW HCDE in *Jan 2020*
- Mathematics, Engineering, Science Achievement (MESA) Workshop on Physical Computing for Middle School teachers with Melissa Birchfield & Noelle Merchlich, *Feb 15, 2020*
- National Science Teaching Association (NSTA) Workshop on Physical Computing for

Middle School teachers with Andrew Davidson, Melissa Birchfield, & Noelle Merchlich,
Dec 13, 2019

- UW HCDE Alternative Spring Break: co-mentored 13 undergraduate students with Andrew Davidson in leading a one-week K-12 Outreach efforts for teaching physical computing using circuit playground to High School & Middle School students in Neah Bay, *Winter 2019*

Professional society and other service

- Reviewed papers in HCIC journal and TOCHI 2023
- In organizing committee of Workshop on Researcher Wellbeing and Best Practices in Emotionally Demanding Research. Jessica Feuston, Arpita Bhattacharya, Naznin Andalibi, Elizabeth A. Ankrah, Sheena Erete, Mark Handel, Wendy Moncur, Sarah Vieweg, Jed R. Brubaker. CHI 2022
- In Program Committee of Workshop on Mental Health: Sensing & Intervention, UbiComp 2017.
- Associate Chair in Designing Interactive Systems (DIS) 2021, *Mar-Apr 2021*
- Associate Chair, reviewing papers for DIS 2019 Provocations and Work in Progress track, *Feb-Mar 2019*
- Community, Inclusivity, and Healthy Gaming Task Force led by Jin Ha Lee, UW, *Mar 2020 – Sep 2020*
- Reviewed Concept note for World Health Organization (WHO) on technology for teen stress management, *Apr 2019*
- Reviewed papers in CHI 2017 - 2021, IDC 2018-2020, CSCW 2020-22, Journal of CSCW, JMIR.
- Student volunteer at CHI 2019
- Student volunteer at Interaction Design & Children (IDC) 2019 and 2015

Community service

- Student volunteer at *National Alliance for Mental Illnesses (NAMI)*, *Jan 2016 to Jun 2018*.
- Volunteer at Husky Suicide Prevention and Awareness suicide prevention walk March 2016. March 2017.