Ruijia (Regina) Cheng

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Education

09/18 – present **University of Washington (UW)**
PhD student in Human Centered Design & Engineering (HCDE)
Research Areas: Human-Computer Interaction, Computational Social Science, Education Technology
Advisors: Benjamin Mako Hill, Jennifer Turns

09/14 – 06/18 **University of California, San Diego (UCSD)**
Magna Cum Laude
Bachelor of Science in Cognitive Science with a Specialization in Computation
Bachelor of Science in Mathematics: Applied Science

Experiences

09/18 – present **Department of Human Centered Design & Engineering, University of Washington**
Graduate Research Assistant
- Led empirical research studies on social interaction and learning in online discussions and published in top-tier social computing venues
- Collected and analyzed both qualitative and large-scale quantitative data about online social behaviors and offered design implications for future systems

06/20 – 09/20 **Facebook Inc.**
Mixed-Method UX Research Intern
- Designed and delivered interview and survey studies on video recommendation systems
- Designed and delivered a study that combined a large-scale survey and log data analysis on video consumption behaviors

10/16 – 01/18 **Design Lab, University of California, San Diego**
Undergraduate Research Assistant, Advisors: Steven Dow, Joel Chan
- Led a study on crowd creativity support and designed and conducted survey and online experiment
- Collaborated in a study on collaborative behaviors in computational notebooks and contributed thematic analysis and text mining

Publications

Papers Under Review

1. **Cheng, R.**, Dasgupta, S., Hill, B. How Online Social Interaction Can Limit Interest-Driven Learning: Evidence from Scratch. 2021. Under review for the ACM Conference on Human Factors in Computing Systems (CHI 2021)

Published Peer-reviewed Conference Papers

2. **Cheng, R.**, Zeng, Z., Liu M., Dow, S. Critique Me: Exploring How Creators Publicly Request Feedback in an Open Online Community. 2020. Proceedings of the ACM Human Computer Interaction, Computer Supported Cooperative Work and Social Computing (CSCW 2020).
3. **Cheng, R.**, Zachry, M. Building Community Knowledge in Online Competitions: Motivation, Practices and Challenges. 2020. Proceedings of the ACM Human Computer Interaction, Computer Supported Cooperative Work

and Social Computing Conference (CSCW 2020)

Short Papers and Posters

4. Frens, J., **Cheng, R.**, Walker E., Hsieh, G., Aragon, C. Feedback-Seeking in Online Fanfiction Communities. 2019. Poster in the 2019 Human Centered Design & Engineering Research Showcase.
5. **Cheng, R.**, De Castro, J., Dow, S., Chan, J. 2018. An Exploratory Study of Problem Framing in Distributed Collaborative Design. Working Paper in the ACM Group Conference (Group 2018).
6. Singh, F., Smith, A., Dudeck, N., Herrera, E., Lee, J., Yang, Z., **Cheng, R.**, Pineda, J. 2016. A Pilot Study to Assess the Effects of EEG-Gamma Neurofeedback on Working Memory in Schizophrenia Patients. Poster in the Society for Neuroscience 2016 Annual Conference (SfN 2016).

Teaching

Spring 2020	Teaching Assistant, HCDE 493 Capstone Project, University of Washington
Winter 2020	Teaching Assistant, HCDE 492 Capstone Project Planning, University of Washington
Fall 2019	Teaching Assistant, HCDE 417 Usability Testing, University of Washington
Spring 2019	Teaching Assistant, HCID 531 Formative UX Research Studio, University of Washington

Mentoring

Ziwen Zeng, Undergrad Summer Intern Student, 2019

Maysnow Liu, Undergrad Summer Intern Student, 2019

Service

07/20	ACM CSCW 2020 reviewer
03/20	ACM IDC 2020 reviewer
01/20	UW Community Data Science Workshop mentor
01/20	ACM CHI 2020 Late Breaking Work reviewer
02/19	UW HCDE master application reviewer
01/19	ACM CHI 2019 Late Breaking Work reviewer

Skills

Qualitative methods: interview, ethnography, usability test, grounded theory, thematic analysis

Quantitative methods: survey design, A/B testing, statistical modeling, log data analysis

Prototyping and design: Sketch, Photoshop

Programming languages: Python, R, SQL, MATLAB**,** HTML, CSS, JavaScript

Data science & natural language processing: survival analysis, SVM, PCA, topic modeling, BERT, Pytorch