

# Jane Im

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## Research Interests

Human-Computer Interaction, Social Computing, Computational Social Science

## Education

<b>University of Michigan</b> , Ann Arbor, MI Ph.D. in Information Science Advised by Eric Gilbert	Sept. 2018 - Present
<b>Korea University</b> , Seoul, Republic of Korea B.B.A. in Business Administration B.S. in Computer Science and Engineering	Mar. 2013 - Aug. 2018
<b>Massachusetts Institute of Technology</b> , Cambridge, MA Undergraduate special student program (non-degree, full-time enrollment)	Sept. 2016 - May 2017

## Employment

<b>Sassafras Tech Collective</b> , Ann Arbor, MI (remote) <i>Software Development &amp; Research Intern with Jill Dimond</i>	May 2020 - Aug. 2020
<b>Airbnb</b> , San Francisco, CA <i>Research Intern Recipient 2020, Internship deferred due to COVID-19</i>	
<b>University of Michigan</b> , Ann Arbor, MI <i>Research Assistant, Teaching Assistant</i>	Sept. 2018 - Present

## Publications

### *Proceedings and Journals*

- [c1] **Jane Im**, Eshwar Chandrasekharan, Jackson Sargent, Paige Lighthammer, Taylor Denby, Ankit Bhargava, Libby Hemphill, David Jurgens, Eric Gilbert. Still Out There: Modeling and Identifying Russian Troll Accounts on Twitter. *ACM Conference on Web Science (WebSci 2020)*. Southampton, UK. 27% Acceptance Rate  
[\[Best Paper Runner Up Award\]](#)
- [c2] **Jane Im**, Sonali Tandon, Eshwar Chandrasekharan, Taylor Denby, Eric Gilbert. Synthesized Social Signals: Computationally-Derived Social Signals from Account Histories. *ACM Conference on Human Factors in Computing Systems (CHI 2020)*. Honolulu, HI. April 2020. 24.3% Acceptance Rate
- [c3] **Jane Im**, Amy X. Zhang, Christopher J. Schilling, David Karger. Deliberation and Resolution on Wikipedia: A Case Study of Request for Comments. *ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2018)*. New York, NY. November 2018. 25% Acceptance Rate
- [c4] **Jane Im**, Paul Medlock-Walton, Mike Tissenbaum. App Inventor VR Editor for Computational Thinking. *Computational Thinking in Education Conference (CTE 2017)*. Hong Kong. June 2017.

## ***Papers under submission for peer-review***

[c5] **Jane Im**, Jill Dimond, Melody Berton, Una Lee, Katherine Mustelier, Mark Ackerman, Eric Gilbert. Yes: Affirmative Consent as a Theoretical Framework for Understanding and Imagining Social Platforms. *Invited to major revision at ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2020 June cycle)*

## ***Posters, Demos, and Workshop Papers***

[w1] **Jane Im**, Jeeyoon Hyun, Jill Dimond, Melody Berton, Eric Gilbert. Building Social Platforms around Affirmative Consent. *Moving Forward Together: Effective Activism For Change Workshop at ACM Conference on Human Factors in Computing Systems (CHI 2020)*. Honolulu, HI. April 2020. Workshop Paper.

[w2] **Jane Im**. Non-consensual Images & Videos and Consent in Social Media. *Sensitive Research, Practice, and Design in HCI Workshop at ACM Conference on Human Factors in Computing Systems (CHI 2019)*. Glasgow, UK. May 2019. Workshop Paper.

## **Awards & Scholarships**

**Best Paper Runner Up Award** 2020  
ACM Conference on Web Science (WebSci 2020) [c1]

**2017 Annual Soft Robotics Competitions 1st prize in Design** 2017  
Harvard University, Cambridge, MA

**Big Data Analytics Competition 3rd Prize** 2015  
SK Telecom, Seoul, Republic of Korea

**Korea University Honor Scholarships** 2014 spring & fall, 2015 fall  
*Honors Scholarships*, 33% of tuition covered for 2014 spring, 50% of tuition covered for 2015 fall  
*Best Honors Scholarships*, tuition fully covered for 2014 fall

## **Grants**

**Rackham Conference Travel Grant** 2020  
University of Michigan, Ann Arbor, MI

**School of Information Conference Travel Grant** 2018 - 2020  
University of Michigan, Ann Arbor, MI

## **Research Experience**

**comp.social, University of Michigan** Sept. 2018 - Present  
*Research Assistant*

- Currently building novel social computing systems that are *consentful*—systems that protect people’s interpersonal consent in interactions
- Theorized how socio-technical systems can be built to ensure online interactions are consensual based on affirmative consent [c5]
- Built *Sig*, a Chrome extension that computes and renders synthesized social signals (S3s) on social platforms. S3s are social signals computationally derived from an account’s history, and then rendered on the profile. [c2]
- Built ML models to identify potential Russian trolls on Twitter, using an unbalanced dataset of 2.2K Russian troll accounts released by Twitter and 170K control accounts. [c1]

**Haystack Group, MIT**  
Undergraduate Research

Apr. 2017 - June 2017  
(Remotely collaborated until April, 2018)

- Investigated how various factors affect the outcome of Request for Comments (RfC), a deliberative discussion on Wikipedia, by building machine learning models. [c3]

**MIT App Inventor, MIT**  
Undergraduate Research

Oct. 2016 - May 2017

- Enabled novice programmers to create modular code in the App Inventor, by developing customized blocks within the system that can execute any functions of an imported API.
- Implemented virtual reality (VR) blocks in the App Inventor to help novice users build VR apps. [c4]

**Soft Active Materials Lab, MIT**  
Undergraduate Research

Sept. 2016 - Feb. 2017

- Developed 3D printing based soft robotic hands with stand-alone actuation and control system.
- Implemented the software interface for precise 3D printing for advanced soft materials.

## Teaching Experience

**SI 539: Web Design, Development, and Accessibility, University of Michigan**  
Graduate Student Instructor

Winter 2020

- A graduate course providing hands-on approach to learning responsive, accessible front-end programming for Web Design. Topics covered include HTML5, CSS3 (including Bootstrap framework), JavaScript, and the POUR design principles of accessible design.
- Led 2 discussion sections per week.

**SI 339: Web Design, Development, and Accessibility, University of Michigan**  
Graduate Student Instructor

Fall 2019

- An undergraduate version of the course above.

## Selected Press

Predictive Model Identifies Wikipedia Arguments that Will Never Get Resolved.  
*Campus Technology*. Dian Schaffhauser. Nov 27, 2018.

A Third of Wikipedia Discussions Are Stuck in Forever Beefs.  
*Vice Motherboard*. Samantha Cole. Nov 7, 2018.

## Presentations

### Invited Talks

**CS 598 Antisocial Computing Guest Lecture**, University of Illinois at Urbana-Champaign  
Synthesized Social Signals: Computationally-Derived Social Signals from Account Histories.

Oct. 2020

**EECS 598 Human-Computer Interaction Guest Presentation**, University of Michigan  
Synthesized Social Signals: Computationally-Derived Social Signals from Account Histories.

Apr. 2020

**PhD Recruitment Flash Talk**, University of Michigan School of Information  
Still Out There: Modeling and Identifying Russian Troll Accounts on Twitter

Feb. 2019

<b>Wikimedia Showcase</b> , Wikimedia Foundation Deliberation and Resolution on Wikipedia: A Case Study of Requests for Comments	Sept. 2018
<b>IAR Seminar</b> , University of Michigan School of Information Deliberation and Resolution on Wikipedia: A Case Study of Requests for Comments	Sept. 2018

## Academic Mentoring

Paige Lighthammer, University of Michigan (Undergraduate) [c1]	Sept. 2018 - Apr. 2019
Jackson Sargent, University of Michigan (Undergraduate) [c1]	Sept. 2018 - Apr. 2019
Ankit Bhargava, University of Michigan (Undergraduate) [c1]	Sept. 2018 - Apr. 2019
Taylor Denby, University of Michigan (Undergraduate) [c1]	Sept. 2018 - Aug. 2019
Sonali Tandon, University of Michigan (Masters) [c2]	Sept. 2018 - Apr. 2019
Katherine Mustelier, University of Michigan (Undergraduate) [c5]	Mar. 2020 - May. 2020

## Service

### *Review*

ACM CSCW full paper	2019 - 2020
ACM CSCW poster	2020
ACM CHI Late-Breaking Work	2020
IEE ICDM full paper	2019

### *Leadership*

Michigan Interactive and Social Computing (MISC), Student Organizer	Fall 2020 - Winter 2021
Doctoral Executive Committee (DEC)	Fall 2019 - Winter 2020
<ul style="list-style-type: none"> <li>• DEC is a group of PhD students that represent the voice of PhD students at University of Michigan's School of Information.</li> <li>• Organized social events and actively participated in addressing departmental issues that impact PhD students.</li> </ul>	

## Coursework

Data Mining, Doctoral Foundations Seminar, Human-AI Interaction, Human-Computer Interaction, Qualitative Research Methods, Interpretivist Theories in Computer-Supported Cooperative Work/Social Computing, Research Methods