

# Jane Im

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## Research Interests

Social Computing, Human-Computer Interaction, 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. *Under submission at CHI 2021*.

### *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.

## 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

**Wikimedia Showcase**, Wikimedia Foundation  
Deliberation and Resolution on Wikipedia: A Case Study of Requests for Comments

Sept. 2018

**IAR Seminar**, 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 CHI full paper	2021
ACM CSCW full paper	2019 - 2020
ACM CSCW poster	2020
ACM CHI Late-Breaking Work	2020
IEE ICDM full paper	2019

### *Leadership*

Social Media Research Lab (SMRL), University of Michigan, Student Coordinator	Fall 2020 - Winter 2021
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

### *Ph.D. courses*

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

### *Computer Science & Math undergraduate courses*

Programming Language, Data Structure, Algorithms, Computer Architecture, Data Communications, Probability and Random Process, Calculus with Lab I, Computer Programming I, Introduction to Linear Algebra, Operating Systems, Artificial Intelligence, Databases, Embedded Systems, Internet Protocols, Discrete Mathematics, Theory of Computation, Advanced Computer Programming & Lab, Project for Graduation, Introduction to Inference, User Interface Design, Intelligent Multimodal User Interfaces

Last updated: September 29, 2020