

# Jane Im

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University of Michigan, Ann Arbor  
School of Information  
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## Research Interests

Social Computing, Human-Computer Interaction, Computational Social Science

## Education

**University of Michigan**, Ann Arbor, MI Sept. 2018 - Present  
Ph.D. in Information Science  
Advised by Eric Gilbert

**Korea University**, Seoul, Republic of Korea Mar. 2013 - Aug. 2018  
B.B.A. in Business Administration  
B.S. in Computer Science and Engineering

**Massachusetts Institute of Technology**, Cambridge, MA Sept. 2016 - May 2017  
Undergraduate special student program (non-degree, full-time enrollment)

## Employment

University of Michigan, Ann Arbor, MI Sept. 2018 - Present  
*Research Assistant*

## Publications

### *Proceedings and Journals*

[C2] **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)*. Jersey City, New Jersey. November 2017.

[C1] **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.

### *Work in Progress or Under Submission*

**Jane Im**, Sonali Tandon, Eshwar Chandrasekharan, Taylor Denby, Eric Gilbert. Synthesized Social Signals: Computationally-Derived Social Signals from Account Histories. *Under submission at CHI 2020*.

**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.

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

[P1] **Jane Im**. Non-consensual Images & Videos and Consent in Social Media. *ACM CHI Conference on Human Factors in Computing Systems (CHI 2019) Workshop on Sensitive Research, Practice, and Design in HCI*.

## Research Experience

### **comp.social, University of Michigan**

Sept. 2018 - Present

*Research Assistant*

- Currently investigating i) how interpersonal consent can be defined in the context of social platforms and ii) how social platforms can be designed with interpersonal consent at its core.
- 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 onto the profile. Unlike conventional social signals such as profile bios, S3s use computational summarization to reduce receiver costs and raise the cost of faking social signals (under submission at CHI 2020).
- 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.

### **Haystack Group, MIT**

Apr. 2017 - June 2017

*Undergraduate Research*

(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.
- Analyzed interviews with RfC participants to find ways to overcome tensions within the RfC system.

### **MIT App Inventor, MIT**

Oct. 2016 - May 2017

*Undergraduate Research*

- 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.

### **Soft Active Materials Lab, MIT**

Sept. 2016 - Feb. 2017

*Undergraduate Research*

- 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.

## Awards

### **School of Information Conference Travel Grant**

2018

University of Michigan, Ann Arbor, MI

### **2017 Annual Soft Robotics Competitions 1st prize in Design**

Sept. 2016 - Dec. 2016

Harvard University, Cambridge, MA

### **Big Data Analytics Competition 3rd Prize**

Dec. 2014 - Mar. 2015

SK Telecom, Seoul, Republic of Korea

## Selected Press

Motherboard. "A Third of Wikipedia Discussions Are Stuck in Forever Beefs". Nov. 2018

## Presentations

### *Invited Talks*

#### **Wikimedia Showcase, Wikimedia Foundation**

Sept. 2018

Deliberation and Resolution on Wikipedia: A Case Study of Requests for Comments

## Seminar Talks

**IAR Seminar**, University of Michigan School of Information  
Deliberation and Resolution on Wikipedia: A Case Study of Requests for Comments Sept. 2018

## Other Talks

**PhD Recruitment Flash Talk**, University of Michigan School of Information  
Still Out There: Modeling and Identifying Russian Troll Accounts on Twitter Feb. 2019

## Scholarships

### Korea University Honor Scholarships

*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

## Academic Mentoring

Paige Lighthammer, University of Michigan (Undergraduate)	Sept. 2018 - Apr. 2019
Jackson Sargent, University of Michigan (Undergraduate)	Sept. 2018 - Apr. 2019
Ankit Bhargava, University of Michigan (Undergraduate)	Sept. 2018 - Apr. 2019
Taylor Denby, University of Michigan (Undergraduate)	Sept. 2018 - Present
Sonali Tandon, University of Michigan (Masters)	Sept. 2018 - Apr. 2019

## Service

### Review

Computer-Supported Cooperative Work and Social Computing Conference (CSCW)	2019
IEEE International Conference on Data Mining (ICDM)	2019

### Leadership

Doctoral Executive Committee (DEC)	2019
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## Coursework

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