

Jane Im

<https://trusttri.github.io>

<https://github.com/trusttri>

Email : imjane@umich.edu

Interests

Social Computing, Human-Computer Interaction (HCI),
Intelligent and Interactive Systems, Data Science

Education

University of Michigan

Ann Arbor, MI, United States

Ph.D. in Information Science

Sept. 2018 –

Advised by Eric Gilbert and David Jurgens

Korea University

Seoul, South Korea

Bachelor in Business Administration

Mar. 2013 – June 2018

Bachelor in Computer Science and Engineering

Total GPA: 4.29/4.5, Computer Science GPA: 4.42/4.5

Massachusetts Institute of Technology

Cambridge, MA, United States

Undergraduate special student program (non-degree, full-time enrollment)

Sept. 2016 – June 2017

Total GPA: 4.8/5.0

Publications

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 '18)*. Jersey City, New Jersey. November 2017.

Jane Im, Paul Medlock-Walton, Mike Tissenbaum. App Inventor VR Editor for Computational Thinking. In *Proceedings of the Computational Thinking in Education Conference (CTE 2017)*. Hong Kong. June 2017.

Awards

2017 Annual Soft Robotics Competitions 1st prize in Design

Cambridge, MA

Organized by **Harvard University**

September 2016 - February 2017

- Designed and implemented a soft robotic hand with 3D printed soft electronic circuits embedded on a soft base, which can actuate and light LEDs.
- Won 1st prize in the Design category with teammate Pelkins Ajanoh of MIT.

Big Data Analytics Competition 3rd Prize

Seoul, South Korea

Organized by **SK Telecom**

December 2014 - March 2015

- Analyzed SNS text data, GPS data, credit card spending data given by SK Telecom (largest telecommunications corporation of South Korea), using clustering, time series analysis, and sentiment analysis, to design a business strategy for the camping industry.
- Discovered two target groups to focus on and designed a new service *Family, Farm to Camp* accordingly.
- Won a cash prize of 1,000,000 KRW in a competition with 483 teams.

Research Experience

comp.social & Blablalab, University of Michigan Ann Arbor, MI, United States
Research Assistant (Advisor: **Eric Gilbert, David Jurgens**) September 2018 -

- Built machine learning models to predict potential Russian trolls on Twitter using language features and behavioral features.
- Analyzed tweets of over 170K users on Twitter and wrote the results as a blog post on Medium.

Haystack Group, MIT Cambridge, MA, United States
Undergraduate research (Advisor: **David Karger**) April 2017 - June 2017
(Collaborated up to July 2018 remotely)

- Created a novel dataset of Request for Comments (RfC), a dispute resolution system in Wikipedia.
- Investigated how factors such as contentiousness affect the outcome of a deliberative discussion, by using classification and correlation techniques.
- Designed and implemented features into Wikum, to make it easier for editors to collaboratively close contentious discussions.
- Analyzed interviews with top RfC participants to find ways to overcome tensions within the RfC system.

MIT App Inventor, MIT Cambridge, MA, United States
Undergraduate research (Advisor: **Hal Abelson**) October 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 and presented the work in *CTE 2017*.

Soft Active Materials Lab, MIT Cambridge, MA, United States
Undergraduate research (Advisor: **Xuanhe Zhao**) September 2016 - February 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.

Information System Security Lab, Korea University Seoul, South Korea
Undergraduate research (Advisor: **Junbeom Hur**) January 2016 - February 2016

- Participated in building an Android app that uses machine learning on finger strokes for authentication.
- Read papers regarding machine learning and security for the project.

Invited Talks

Wikimedia Research Showcase September 2018
Deliberation and Resolution on Wikipedia: A Case Study of Requests for Comments

Selected Press

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

Scholarships

Korea University Honor Scholarships Korea University, Seoul, South Korea
Academic 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

Technical Skills

Languages: Python, Java, C, Matlab **Front-end:** HTML, CSS, Javascript, jQuery, Bootstrap
Data Analysis: matplotlib, scikit-learn **App/Libraries:** Django, RabbitMQ, Celery, Android
Databases: MySQL **OS:** Windows, Linux (Ubuntu), Mac OS
Others: G-code, Slic3r, 3D printer skills

Other activities

Korea University Disabled Association

Seoul, South Korea

Undergraduate volunteer

October 2017 - November 2017

- Investigated buildings on Korea University campus that need lifts for enhancing the mobility of disabled students.

Immanuel's Home

Seongnam-si, South Korea

Undergraduate volunteer

June 2011 - June 2016

- Planned annual picnic party events for people with Down syndrome living in Immanuel's Home, a welfare institute for the disabled.

Korea Venture Business Association

Seoul, South Korea

Undergraduate journalist

June 2014 - August 2014

- Interviewed startups of South Korea and wrote weekly articles based on them, receiving monthly payments.