Jane Im

https://trusttri.github.io
https://github.com/trusttri Email : imjane@umich.edu

Interests

Social Computing, Computer Supported Cooperative Work (CSCW),
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: 4.4/4.5, 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

Publication

Jane Im, Amy X. Zhang, Christopher J. Schlling, 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)*. New York, New York. 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

Haystack Group, MIT Cambridge, MA, United States
Undergraduate research (Advisor: **Professor David R. 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: **Professor 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*.
- Studied how novice users understand the interface of App Inventor in two workshops.

Soft Active Materials Lab, MIT Cambridge, MA, United States
Undergraduate research (Advisor: **Professor 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: **Professor 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.

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

Extracurricular 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.

Korea University Pumpkin Reading Club Seoul, South Korea

Undergraduate member March 2014 - June 2014

- Read books from various areas including social issues and had weekly two-hour sessions of debates.
- Organized and led one session during the semester.