# Jane Im

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## Interests

social computing, CSCW, human-computer interaction, computational social science

## Education

**Korea University** — Seoul, South Korea
*Bachelor in Business Administration & Computer Science and Engineering (Double major)* — *Mar. 2013 – current*
*Total GPA: 4.4/4.5, Computer Science GPA: 4.43/4.5*

**Massachusetts Institute of Technology** — Cambridge, MA, United States
*Undergraduate special student; GPA: 4.8/5* — *Sept. 2016 – June. 2017*

## Research Experience

**Haystack Group, MIT** — Cambridge, MA
*Undergraduate research (Advisor: Prof. David Karger)* — *April 2017 - Present*

- Investigated how factors like participants' experience and reciprocity affect the outcome of a discourse by using classification and correlation techniques to analyze a novel dataset of 10,704 Request for Comments (RfC), a content dispute resolution system in Wikipedia.
- Studied the impact of interface on summarization of threads of disputes by developing the interface of Wikum, a tool for summarizing online discussions, to improve the RfC process, such as adding features of voting or making comments about summaries of comments made by other closers.
- Analyzed interviews of top participants with different roles to find tensions such as transparency within the RfC system, and designed ideas for interface of Wikum to overcome them.

**MIT App Inventor, MIT** — Cambridge, MA
*Undergraduate research (Advisor: Prof. Hal Abelson)* — *October 2016 - May 2017*

- Developed new interfaces and extended the system to allow novice programmers to create modular code in App Inventor, by enabling users to create customized blocks that can execute any functions of an imported JavaScript API.
- In order to enable novice users to build virtual reality apps, implemented virtual reality blocks in App Inventor, writing a JavaScript API for embedding it in the system, and presented the work in CTE 2017.
- Studied how novice users understand the interface of App Inventor by cooperating in running two workshops for novices learning to program with MIT App Inventor.

**Soft Active Materials Lab, MIT** — Cambridge, MA
*Undergraduate research (Advisor: Prof. 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 precision 3D printing for advanced soft materials.

## Awards

**2017 Annual Soft Robotics Competitions 1st prize** — Cambridge, MA, United States
*Organized by **Harvard*** — *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**, largest telecommunications corporation of South Korea* — *December 2014 - March 2015*

- Analyzed SNS text data, GPS data, credit card spending data given by SK Telecom, the largest telecommunications corporation of South Korea, using clustering, time series analysis, and sentiment analysis.
- Discovered the need to target people in 30s living in certain two areas of South Korea, in order to increase users of camping sites, and designed a new service **F2Camp** (Family, Farm to Camp) that targets them.
- Won a cash prize of 1000,000 KRW in a competition with 483 teams.

## Computer Science Relevant Courses

**Courses took at MIT**

- **HCI related courses** Intelligent Multimodal User Interfaces (A), User Interface Design & Implementation (A)
- **Others** EECS project advised by Prof. Hal Abelson (A), EECS project advised by Prof. Xuanhe Zhao (A), Fundamentals of Programming (A), Introduction to Inference (B)

**Courses took at Korea University**

- Calculus with Lab I (A+), Introduction to Linear Algebra (A+), Discrete Mathematics (A+), Theory of Computation (A+), Advanced Computer Programming & Lab (A+), Computer Programming I (A+), Programming Language (A+), Algorithms (A+), Data Structure (A+), Artificial Intelligence (A), Data Communications (A+), Internet Protocols (A+), Probability and Random Processes (A+), Computer Architecture (A+), Embedded Systems (A+), Operating Systems (A), Databases (A+)

## Scholarships

**Korea University Honor Scholarships** Korea University, Seoul, South Korea

*Academic Scholarships*

- **Honors Scholarships** 1,240,000 KRW for 1st semester, 2014, 1,780,000 KRW for 2nd semester, 2015
- **Best Honors Scholarships** 3,560,000 KRW for 2nd semester, 2014

## Publication

Jane Im, Paul Medlock-Walton, and Mike Tissenbaum "App Inventor VR Editor for Computational Thinking". *CTE*, Hong Kong, Hong Kong. June 2017.

## Technical Skills

**Languages:** Python, Java, C, Matlab
**Front-end:** HTML, CSS, Javascript, jQuery, Bootstrap
**Data Analysis:** matplotlib, scikit-learn
**App/Libraries:** Django, RabbitMQ, Celery, AWS EC2, Android apps
**Databases:** MySQL
**OS:** Windows, Linux (Ubuntu), Mac OSX
**Others:** G-code, Slic3r, basic knowledge of 3D printer

## Extracurricular activities

**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

## Language Proficiency

**New GRE**: Verbal: 154 (65%), Quantitative: 169 (96%), Writing: 4 (60%)

**IBT TOEFL**: 118 (Reading: 30, Listening: 30, Speaking: 30, Writing: 28)