Jaeyoon Song

jaeyoons@mit.edu • https://jaeyoon.io

INTERESTS
Crowdsourcing, Gig Economy, Collective Intelligence, Computer-Supported Cooperative Work, Future of Work.

EDUCATION

Massachusetts Institute of Technology, Cambridge, MA, USA　　　　2021 – Present
- Ph.D., Management Science
- Focus areas: Information Technology, Collective Intelligence, Future of Work

Seoul National University, Seoul, Korea, Republic of　　　　2016 – 2020
- B.B.A., Business Administration
- Computer Science and Engineering (Minor)

RESEARCH EXPERIENCE

Center for Collective Intelligence, MIT　　　　Jun 2020 – Present
- Research Affiliate
  - Advisor: Prof. Thomas Malone

Kixlab, Korea Advanced Institute of Science and Technology　　　　Dec 2018 – Feb 2019,
- Undergraduate Research Intern　　　　Jun 2019 – Aug 2019
  - Advisor: Prof. Juho Kim

Human-Computer Interaction Lab, Seoul National University　　　　Jun 2018 – Aug 2018
- Undergraduate Research Intern
  - Advisor: Prof. Jinwook Seo

PUBLICATIONS

REFEREED CONFERENCE PAPERS

[1] J. Song, C. Riedl, T. Malone, **Online Mingling: Supporting Ad Hoc, Private Conversations at Virtual Conferences**, *ACM CHI Conference on Human Factors in Computing Systems 2021 (CHI 2021)*, to appear.

[2] S. Lee, J. Song, S. Park, J. Kim, J. Kim, and E. Ko, **SolutionChat: Real-time Moderator Support for Chat-based Structured Discussion**, *ACM CHI Conference on Human Factors in Computing Systems 2020 (CHI 2020)*.

[3] D. Shin, J. Song, S. Song, J. Park, J. Lee and S. Jun, **TalkingBoogie: Collaborative Mobile AAC System for Non-verbal Children with Developmental Disabilities and Their Caregivers**, *ACM CHI Conference on Human Factors in Computing Systems 2020 (CHI 2020)*.

REFEREED JOURNAL PAPERS

[4] J. Song and C. Kim, **What Is Needed for the Sustainable Success of Open Source Software Projects: Efficiency Analysis of Commit Production Process via Git**, *Sustainability* (SCIE/SSCI), vol. 10, no. 9, Aug 2018.

POSTERS

[5] J. Song*, K. Choe*, J. Jo, and J. Seo, **SoundGlance: Briefing the Glanceable Cues of Web Pages for Screen Reader Users,** *ACM CHI Conference on Human Factors in Computing Systems (CHI 2019 Late Breaking Work),* ACM, New York, NY, USA, May 2019.

SCHOLARSHIPS

Yangyoung Foundation Scholarship   2018 – Present
- Based on both merit and need.

Samsung Convergence Software Course Scholarship   Jun 2018
- Scholarship for successfully finishing the Samsung Convergence Software Course (SCSC) program.

Eminence Scholarship (Full), Seoul National University   2016 – 2017
- Merit-based.

HONORS & AWARDS

Science and ICT Ministry Award, Convergence Research Policy Center   Oct 2020
- Awarded by the Minister of Science and ICT.
- Topic: Facilitating the Social Informal Interactions in Virtual Meetings

Undergraduate Research Grant, Seoul National University   Mar 2019
- Granted by SNU Undergraduate Research Program (URP).
- Topic: Supporting caregivers to collaborate on AAC intervention strategies.

Outstanding Research Award, Seoul National University   Mar 2019
- Awarded by Student-Directed Education (SDE) program.
- Topic: What is needed for the sustainable success of open source software projects?
- Individual work

Top Ten Finalist, Samsung AI Challenge   Sep 2018
- Awarded by Samsung Research
- Topic: Restaurant recommendation service
- My role in the team: front-end engineering

Grand Prize, Undergraduate Research Presentation Competition   May 2018
- Awarded by Korean Production & Operations Management Society (KOPOMS).
- Topic: Two-stage data envelopment analysis (DEA) on open source software projects
- Individual work

Top Ten Winner, Annual Likelion Ideathon   Jul 2017
- Awarded $1,000 AWS credits by Likelion and Amazon Korea.
- Topic: An idea of 'Music of Bullshit,' an online platform where users can collaboratively compose music with any kind of nonsense sound.
- Individual work

Final Winner, SNU School Service Development Tournament   Feb 2017
- Awarded by SNULife–an online student community of Seoul National University.
- Topic: Shashagungun, a web platform that gathers posters of various school events.
- My role in the team: Team leader and front-end engineering

WORK EXPERIENCE

Chartmetric, Intern, Front-end Engineering   Aug 2017 – Nov 2017

- Chartmetric is a startup based in Palo Alto, providing tools to track, measure, and analyze music big data.
  At Chartmetric, I worked on front-end engineering and data visualization.

BigPearl, Founding member, Front-end Engineering   Mar 2017 – Jul 2017

- BigPearl is a MarTech startup that support advertisers to search for influencers and run ad campaigns.
  At BigPearl, I participated in front-end engineering.

OTHER PROJECTS

Likelion, Web Programming Club, Seoul National University   Mar 2016 – Jun 2018

- In Likelion, I tutored peer students on basic web programming.

SuggestBot, Kixlab project   Dec 2018 – Feb 2019

- A crowdsourcing interface that collects evidence of a piece of online discussion from IAC dataset.

Real-time Annotation for Video Chat through Collaborative Tagging   Dec 2018 – Feb 2019

- Designing a system that summarizes a video chat in real-time.

Six Degrees of Jaeyoon Song, Individual assignment for 'Design Thinking' class   Oct 2018 – Nov 2018

- A visualization of my relationships on Facebook using d3.js.

Are Refugees Dangerous?, Individual assignment for 'Design Thinking' class   Oct 2018 – Nov 2018

- An infographic indicating what people think, what data say, and what media highlight about refugees.

Korean Independence Movement, Team assignment for 'HCI' class   May 2018 – Jun 2018

- A visualization of Korean Independence Movement created by d3.js.

The Cube, Personal project   Oct 2017 – Nov 2017

- My previous portfolio website to work as a freelance UX engineer.

Shashagungun, Personal project   Dec 2016 – Feb 2017

- A web platform using Ruby on Rails that gathers posters of various school events.

SKILLS

LANGUAGES

- Korean: Native proficiency.
- English: Full professional proficiency.
  - GRE - Verbal 164 / Quantitative 170 / Writing 4.5 (Oct 2019)
- Japanese: Intermediate (reading); basic (speaking, writing).
  - JLPT - N2 (Jan 2014)

PROGRAMMING

- **JavaScript** (D3.js, React.js, TweenLite.js, jQuery, ...)
- Ruby on Rails, SASS/SCSS, Python, Java, C++

OTHERS

- Sketch App, Adobe Photoshop, LaTeX, Microsoft Word, Microsoft Excel, Microsoft PowerPoint.

[*CV compiled on 2021-01-11*]