

Joonho Ko

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github.com/simpko

Education

Massachusetts Institute of Technology

Cambridge, MA

Candidate for Bachelor of Science in Computer Science – GPA 4.4/5.0

Jun 2020

Relevant coursework: Software Construction, Machine Learning, Design and Analysis of Algorithms, Computation Structures, Syntax (Linguistics), Linear Algebra, Differential Equations

Experience

Everbridge

Burlington, MA

Software Engineering Intern

Jun 2018-Dec 2018

- Contributed to the design and development of a software project stated to be one of the key products for the company in early 2019
- Learned new technologies and languages (e.g. Scala, React, AWS, maven, Docker) quickly enough to complete sprint stories for existing, architecturally complex software within one to two months
- Overhauled PDF documentation for a product by rewriting the documentation in Markdown and writing a script to convert the Markdown into a styled PDF

MIT Research Laboratory for Electronics (RLE)

Cambridge, MA

Undergraduate Researcher for Stefanie Hufnagel's Speech Communication Group

Mar-Aug 2017

Project Title: Speech Rhythm and Speech Analysis in Communication

- Wrote comprehensive Python scripts that aligned large datasets of acoustic signals that were essential in determining the p-centers of spoken syllables in prosodic speech
- Discovered the existence of negative mean asynchrony (NMA) and showed that it reflects transit time from the effector organ to the brain, such that NMAs for speech production is shorter than NMAs for finger taps
- Authored an abstract highlighting the research project for the 2018 New England Sequencing and Timing (NEST) meeting

Projects

howabout.xyz – github.com/cory2067/howabout.xyz

HackMIT Hackathon Project

Sep 2018

- Designed and built the frontend for a website that helps people quickly and accurately share their availabilities for meetings by integrating Google Calendar APIs so availabilities can be shared with a single click
- Efficiently delegated tasks and effectively communicated with three other developers in a team to complete the website from start to finish in a 24 hour allotted time period

Leadership

MIT Undergraduate Practice Opportunities Program (UPOP)

Cambridge, MA

Participant

Oct 2017-present

- Participating in a yearlong professional development program that prepares MIT sophomores for success in navigating the workplace
- Completed an intensive one-week professional development workshop taught by esteemed MIT faculty and industry professionals, which explores topics such as effective communication, problem solving, and teamwork

Skills/Interests

- **Languages:** Java, Python, Scala, JS, React.js, HTML, CSS
- **Software/Skills:** Git, Agile Scrum, AWS, Docker, Maven, Flask, Spring, Markdown, LaTeX
- **(Human) Languages:** Fluent in Korean, conversational in Japanese and French, basic level of Chinese