

Kayla Heo

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EDUCATION

Cornell University, College of Engineering, Ithaca, NY
Bachelor of Science, Information System Science Technology
Dean's Honor List

Expected May 2022

Fall 2019

Relevant Courses: *Intro to Machine Learning, Objective-Oriented Programming & Data Structure, Design & Programming for Web, Computing Using Python, Discrete Structure, Networks I & II, Engineering Probability and Statistics*

SPECIALIZED SKILLS

Technical: Java, Javascript, Python, HTML/CSS, PHP, R, Autodesk, Solidworks, LaTeX, ANSYS;
Language: English, Korean (fluent)

ENGINEERING EXPERIENCE

K-ICT Big Data Analysis Center Techno Valley, Pangyo, Korea **Summer 2019**

- Learned how to build Big Data infrastructure using R library
- Developed flexible data acquisition process that identifies key words from Naver online news
- Programmed an image presentation of expressions and words used in Shakespeare novel

Design Build Fly (Project Team) Cornell University **Fall 2019 - Present**

- Designed and built lightweight and strong aircraft's fuselage, landing gear
- Accommodated the challenges of the competition's payload
- Evaluated and analyzed aircraft's performance and stability using MATLAB and ANSYS

PERSONAL PROJECT

Website "iCluber" **Fall 2018**

- Designed a website specialized in club work to inform and update student with the news and announcements
- Implemented useful functions like poll, schedule, open discussion, updates, and mind-map
- Varied levels of access to teachers and students with positions (president, vice-president, manager)
- the high school I graduated appended iCluber on school's website

Game "Escape from School" **Fall 2018**

- Programmed an arcade game with a school theme using Java
- Implemented variety of maps, items, and character skills to add zests to the game

RELEVANT ACADEMIC PROJECTS

Boost Course **Summer 2019**

- Took an online course sponsored by Naver corporation
- Practiced designing and programming an online reservation service

CS2110 Cornell University **Spring 2019**

- Programmed Dijkstra's shortest path algorithm for an arcade coin mining game using Java
- Learned and programmed complex application of Linked List and Heaps

LEADERSHIP EXPERIENCE

MIT Launch Club co-founder, vice-president **Spring & Fall 2017**

- Collaborated with a team of 5 peers to design and build a website that provides a service to organize and suggest educational tools in their usages and purposes
- Created a website that engages students and teachers from different school to share tips and reviews

VOLUNTEER

Code4Kids Cornell University

- Taught students at Belle Sherman Elementary School on programming and algorithmic thinking
- Guided students through programming exercises and taught them new concepts