

Ian Park

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WORK

Republic of Korea Army 2023–2024

C4I Communications Operator, Intelligence Company

- Brigade-level English interpreter for ROK-US Combined Training, managing critical allied communications
- Received early promotion and multiple awards including Ranger Excellence and Outstanding Soldier
- Developed and optimized tactical communication systems under operational constraints

Texas Advanced Computing Center 2020–2023

Software Engineer

- Developed full-stack GIS applications for engineering research, integrating with high-performance computing systems
- Built and maintained RESTful APIs using Tapis framework to streamline supercomputing resource allocation
- Implemented web interfaces using TypeScript/React and Python/Django, improving researcher productivity

Calvin University 2019–2020

Research Intern

- Created applications for data-driven research using Python and Jupyter
- Also created a web application in Angular on top of a cloud system to improve research workflows

EDUCATION

Calvin University 2016–2020

- Computer Science, B.CS.
- Cumulative GPA: 3.52
- Major GPA: 3.798
- Dean's List

SKILLS

Languages TypeScript/JavaScript, Python, C/C++, Go, SQL, Java

Technologies Django, React.js, Docker, Kubernetes, GIS

Languages English (Native), Korean (Native)

PROJECTS

LoTide 2019

- Designed and implemented a real-time audio processing framework bridging DAW interfaces with runtime systems
- Stack: C++, TSAL(Thread Safe Audio Library), Unix Sockets
- Project Information/Paper: lotide.github.io

Korean Community Posting Bot 2020

- Developed NLP models to analyze and compare community engagement patterns with different language models
- Implemented data collection and analysis pipeline using Python, Keras, and KoGPT 2.0
- Project Information: github.com/duckonomy/cs344

SaneWM 2020

- Implemented a lightweight X11 window manager focused on keyboard-driven workflow optimization
- Built core functionality using C and libxcb with emphasis on minimal resource usage
- Project Information: github.com/duckonomy/sanewm

LEADERSHIP

CalvinHacks 2018-2020

Founder & Head of Technology

- Recruited and worked with the core team to make it an official MLH hackathon.
- Collaborated with local businesses to fund/sponsor the event.
- Lead and trained a team of five people to build and maintain the necessary technology required for operating (registration and logistical tools).

Abstraction, Computer Science Club 2019-2020

President

- Coordinated weekly club activities for 25-30 attendees.
- Collaborated with the University infosec team to provide learning opportunities for students.
- Restructured organization to create more opportunities and to increase attendance to events.