Ian Park

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WORK

Republic of Korea Army   2023–2024
C4I Engineer

- Developed custom networking systems required for communication under severe constraints.
- Optimized system architecture to improve military operational capabilities
- Maintained and administered military communication systems.
- C/C++, Java

Texas Advanced Computing Center   2020–2023
Engineering Scientist Associate

- Developed applications and APIs using Tapis to enable researchers to utilize supercomputing facilities effectively.
- Python, Typescript, Java

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

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EDUCATION

Calvin University   2016–2020

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

SKILLS

Technical Stacks Spring(Boot), Docker, Kubernetes, React.js/Angular, Django, Flask, SQL, GIS
Programming Languages Java, JS/TS, C/C++, Python, Rust
Speaking Languages English (Native), Korean (Native)

PROJECTS

LoTide   2020

- Adaptive, real-time music framework that closes the gap between DAWs and runtime APIs.
- Stack: C++, TSAL(Thread Safe Audio Library), Unix Sockets
- Project Information/Paper: lotide.github.io

Korean Community Posting Bot   2020

- Utilized LSTM and GPT models to make bots to compare how the community responds to different language models.
- Stack: Python, Keras, RNN, KoGPT 2.0
- Project Information: github.com/duckonomy/cs344

SaneWM   2020

- Minimal floating X11 window manager for workflow enhancement.
- Stack:C, libxcb.
- 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.