David Park

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INTERESTS

Operating Systems, Distributed Systems, Software Security

EDUCATION

University of Southern California   Jun. 2021 - May. 2023 (Expected)
Master of Science in Computer Science   Los Angeles, CA

Hongik University   Mar. 2012 - Feb. 2020
Bachelor of Science in Computer & Information Communications Engineering   Sejong, Korea
- Graduated *summa cum laude*
- Cumulative GPA of 4.31/4.5 (Major 4.43/4.5)

EXPERIENCE

Republic of Korea Army   Nov. 2013 - Jul. 2015
Logistic planning administration specialist   Yongin, Korea
- Responsible for planning supply budgets
- Improved self-reliance and organizational skills

SELECTED PROJECTS

SQL Injection Attack Detection and Prevention using Machine Learning   2018
- Implemented a SQL injection attack filtering model using CNN for text processing
- Written in Python, PHP and used Docker

Theft Prevention System   2018
- Secures items by alerting user when someone touches them
- Established machine-to-machine connection using MQTT protocal
- Written in C and used Samsung ARTIK 053 IoT Module and ARTIK Cloud

CPU Scheduling Simulator   2018
- Built (in C) a CPU scheduling simulator considering both computation and I/O request
- Simulated FCFS, SJF, and RR with different time quantum

Single Process Monitoring Program   2018
- Displays the CPU, memory, and network usage for a single process
- Written in C

HONORS AND AWARDS

Graduation Project Contest Award (Second Prize)   Nov. 2019
Hongik University   Sejong, Korea

Minister Award of Intelligent Electronics Competition   Jul. 2019
Ministry of SMEs and Startups & Korean Institute of Power Electronics   Chungnam, Korea

Merit-based Scholarship (80% of tuition), *Hongik University*   2019
Merit-based Scholarship (100% of tuition), *Hongik University*   2017, 2018
Tutoring Scholarship, *Hongik University*   2017, 2018, 2019

TECHNICAL SKILLS

Languages   (Proficient) C, {Java/Type}Script, HTML, CSS, SQL
(Familiar) Rust, Go, C++, C#, Java, Python, PHP, Lua

Tools   Git, Docker