

David Park

US Citizen

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INTERESTS	Operating Systems, Distributed Systems, Software Security		
EDUCATION	University of Southern California	Jun. 2021 - May. 2023 (Expected)	
	<i>Master of Science in Computer Science</i>	Los Angeles, CA	
	Hongik University	Mar. 2012 - Feb. 2020	
	<i>Bachelor of Science in Computer & Information Communications Engineering</i>	Sejong, Korea	
	<ul style="list-style-type: none">• Graduated <i>summa cum laude</i>• Cumulative GPA of 4.31/4.5 (Major 4.43/4.5)		
EXPERIENCE	Republic of Korea Army	Nov. 2013 - Jul. 2015	
	<i>Logistic planning administration specialist</i>	Yongin, Korea	
	<ul style="list-style-type: none">• Responsible for planning supply budgets• Improved self-reliance and organizational skills		
SELECTED PROJECTS	SQL Injection Attack Detection and Prevention using Machine Learning		2018
	<ul style="list-style-type: none">• Implemented a SQL injection attack filtering model using CNN for text processing• Written in Python, PHP and used Docker		
	Theft Prevention System		2018
	<ul style="list-style-type: none">• Secures items by alerting user when someone touches an item• Established machine-to-machine connection using MQTT protocol• Written in C and used Samsung ARTIK 053 IoT Module and ARTIK Cloud		
	CPU Scheduling Simulator		2018
	<ul style="list-style-type: none">• Built (in C) a CPU scheduling simulator considering both computation and I/O request• Simulated FCFS, SJF, and RR with different time quantum		
HONORS AND AWARDS	Single Process Monitoring Program		2018
	<ul style="list-style-type: none">• Displays the CPU, memory, and network usage for a single process• Written in C		
	Dean's Master's Scholarship, <i>University of Southern California</i>		2021
	Graduation Project Contest Award (Second Prize)	Nov. 2019	
	<i>Hongik University</i>	Sejong, Korea	
	Minister Award of Intelligent Electronics Competition	Jul. 2019	
	<i>Ministry of SMEs and Startups & Korean Institute of Power Electronics</i>	Chungnam, Korea	
	Merit-based Scholarship (80% of tuition), <i>Hongik University</i>		2019
	Merit-based Scholarship (100% of tuition), <i>Hongik University</i>		2017, 2018
	Tutoring Scholarship, <i>Hongik University</i>		2017, 2018, 2019
TECHNICAL SKILLS	Languages	(Proficient) C, {Java/Type}Script (Familiar) Rust, Go, C++, C#, Java, Python, HTML, CSS, PHP, Lua, SQL	
	Tools	Git, Docker	