

MOOYEON KIM

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SUMMARY

Computer Engineering graduate with a strong foundation in Embedded Systems and Software Development, seeking admission to a Master's program to further my skills.

EDUCATION

Purdue University , West Lafayette, IN	08/2019 - 05/2022
BA in Electrical and Computer Engineering	
Relevant Coursework: Software for Embedded Systems, Operating Systems, Microprocessor systems and Interfaces, Software Engineering, Probabilistic Method, Signal and Systems, Data Structures	
University at Albany , Albany, NY	08/2017 - 05/2019
Major in Computer Engineering	
Relevant Coursework: Discrete Mathematics, Differential Equations, Electromagnetism	
Awards: Dean's list (Fall 2017, Spring 2018, Fall 2018)	

SENIOR DESIGN PROJECT

Purdue University , West Lafayette, IN	12/2021 - 05/2022
Smart Hard Hat	
<ul style="list-style-type: none">• Led software development for a smart hard hat integrating LoRa technology for real-time communication• Responsible for integrating product's software and hardware components• Designed a fall detection system using the ADXL343 accelerometer• Developed a user interface to display real-time data on the device's screen, enhancing usability and data interpretation	

WORK EXPERIENCE

Jeodong Middle-School , Social Service Personnel, Goyang, South Korea	07/2022 - 05/2024
Administrative and Facility Management Office	
<ul style="list-style-type: none">• Assisted with facility repairs and management, ensuring timely resolution of technical issues while maintaining operational efficiency• Managed library resources and inventory, implementing an organized system to improve accessibility and reduce supply shortages	

LEADERSHIP

• Purdue Korean Association (PKA) , Event Manager	09/2021 – 05/2022
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SKILLS

• C, C++, Python, Verilog, JAVA
• OS, Microprocessor Systems