

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

- 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

- 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

SKILLS

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