

Moonseong Kim

EDUCATION

Purdue University **08/2018 - 05/2020**
01/2022 - 05/2023
GPA 3.94 / 4.00

- Bachelor of Science in Mechanical Engineering

WORK EXPERIENCE

Samsung Electronics **Suwon / ROK**
Summer Intern June/2022 – Aug/2022

- Explore a new coloring project on metallic fronts of the new galaxy watch line
- Develop a new masking jig for a newly manufactured testing line

SWAN **Seoul / ROK**

Project Manager Mar /2021 – Dec/2021

- Lead public relations team that gathers market information and analyze target customer in Rudder, a community platform application

Korea Military Academy **Seoul / ROK**

Military Interpreter June/2020 – Dec/2021

- Serve as a military interpreter at Korea Military Academy as an enlisted man of ROK Army

RESEARCH ACTIVITIES

Energy and Transport Sciences Lab **West Lafayette / Ind**
Aug/2022 – May/2023

- Analyze and develop battery charging process of eVTOL
- Develop MATLAB GUI to display analysis of battery performance with different parameters

Microfluidics research Lab **West Lafayette / Ind**

- Analyze correlation between frequency, voltage, and laser power vs. microparticle behavior

Jan/2022 – May/2022

Wei Research Lab in Purdue **West Lafayette / Ind**

- Investigate rapid production of silver nanowire through laser process

Nov/2018 – May/2019

Discovery Park Undergraduate Research Internship Program **West Lafayette / Ind**

- Research various applications of Nano porous membranes in intelligent packaging and industrializing Nano porous membrane through dry-etching process
- Present research findings in an official DURIP presenting booth of spring 2019

Jan/2019 – May/2019

LEADERSHIP ACTIVITIES

Engineering Mentor Corps **West Lafayette / Ind**
Aug/2022 – Dec/2022

- Mentor 2 First Year Engineers to answer personal inquiries and to share personal experiences
- Introduce mentees to different campus resources and student organizations

Purdue Society of Professional Engineers **West Lafayette / Ind**

FE Exam Review Head Aug/2018 – May/2020

- Mentor engineers prepare themselves for FE exam and promote multiple events regarding FE exam as a FE review head for Spring 2020
- Complete multiple successful rounds of Research Roundtable for fall 2018, spring 2019, fall 2020

AWARDS AND ACHIEVEMENTS

Dean's list & Semester honors **Aug/2018 – May/2020, May 2022**

Brigadier General's Recognition for outstanding military interpreter **Jan. 2021**

- Award a recognition for voluntary activities and programs that positively influenced the English Department

Outstanding man of the HQSVC **Oct. 2020**

- Complement excellent daily behaviors and self-sacrificing attitude for Headquarter and Service Battalion

SKILLS

Language Competency

- Fluent (English / Korean)
- Limited Working Proficiency (Spanish)

Design & Programming Skills

- CAD (NX, CATIA, CREO, Solidworks)
- MATLAB
- Python
- Microsoft Office