

Dong Kim

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EDUCATION

<i>Bachelor of Science in Chemical Engineering</i>	College Park, MD
A. James Clark School of Engineering, University of Maryland	Expected May 2026
GPA: 3.537	

PROJECTS

<i>Project Member, CHBE302, Chemical and Biomolecular Engineering Thermodynamics II</i>	College Park, MD
<ul style="list-style-type: none">Designed a cracking process using ASPEN alongside other project group membersDeveloped MathCAD code to determine process variables and outputsDemonstrated high level of understanding in thermodynamics with overall project grade of an A	Jan 2024 – May 2024
<i>Project Co-Manager, ENES100, Introduction to Engineering Design</i>	College Park, MD
<ul style="list-style-type: none">Learned how to code in C++ and create models with Fusion 360Led project team alongside one other co-manager to design and construct an autonomous vehicle through an obstacle course whilst completing various mission objectivesContributed extensively to all aspects of the project and smoothly presented final project to various sections of the course	Jan 2023 – May 2023

WORK EXPERIENCE

<i>Undergraduate Researcher, Zierden Lab</i>	College Park, MD
<ul style="list-style-type: none">Collaborated with research team to ensure timely completion of multiple research projectOptimized production of extracellular vesicle growth using active learning and machine learning algorithmsDeveloped protocol for loading drug particles into extracellular vesicles to effectively deliver drugs to vaginal environmentExplored possible therapeutics for women's health against bacterial vaginosis and other reproductive health implications	Mar 2024 - Present
<i>Shift Leader, Donut King</i>	Kensington, MD
<ul style="list-style-type: none">Provided excellent customer service and built relations with regular customersHandled customers and effectively communicated with other co-workers during rush lunch hours	Dec 2024 - Present
<i>Shift Leader, Japong Bakery</i>	Rockville, MD
<ul style="list-style-type: none">Managed tasks of serving multiple customers drinks and breads in a timely fashionAdapted to newly introduced drinks on the spot and learned how to make them to teach coworkersEffectively communicated and worked with shift team in a fast-paced environment to serve customers	July 2023 – Jan 2025

ACTIVITIES AND AFFILIATIONS

<i>General Body Member, Maryland Sustainability Engineering</i>	College Park, MD
<ul style="list-style-type: none">Conducted budget analysis to plan costs for the implementation trip for the project teamCalculated rough estimate of power consumption and generation of electrical appliancesCollaborated with the Engineers Without Borders club at UMD to discuss ideas of implementing solar panels to provide more electricity to a local village in Senegal West Africa, Kédougou	Jan 2023 – May 2024

HONORS/ACCOMPLISHMENTS

<i>University Honors Program Scholar</i>	Fall 2022 – Present
<i>Dean's List</i>	Fall 2022 – Present
<i>Governor's Merit Scholastic Award</i>	May 2022

SKILLS

Software: MATLAB, C++, Aspen, Excel, MathCAD, Minitab