

# Dong Kim

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## EDUCATION

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

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

## WORK EXPERIENCE

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

## ACTIVITIES AND AFFILIATIONS

<i>General Body Member, Maryland Sustainability Engineering</i> <ul style="list-style-type: none"><li>Conducted budget analysis to plan costs for the implementation trip for the project team</li><li>Calculated rough estimate of power consumption and generation of electrical appliances</li><li>Collaborated 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</li></ul>	College Park, MD Jan 2023 – May 2024
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## HONORS/ACCOMPLISHMENTS

<ul style="list-style-type: none"><li>University Honors Program Scholar</li><li>Dean's List</li><li>Governor's Merit Scholastic Award</li></ul>	Fall 2022 – Present Fall 2022 – Present May 2022
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## SKILLS

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