

Hichul Chung

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Summary

Well-rounded, diligent, reliable mechanical engineering Senior with demonstrated leadership, excellent teamwork skills, and clear communication skills prepared to focus on clean water and electrification for developing nations.

Education

The University of Massachusetts Amherst

Anticipated May 2021

Bachelor of Science in Mechanical Engineering, GPA: 3.7

Dean's List

Coursework

Heat Transfer, Fluid Mechanics, System Dynamics, Design of Mech. Components, Human Factors, Manufacturing, Probability & Stat Engineering, Supply Chain, Design of Mech. Assemblies,

Relevant Projects

Engineers Without Borders (E.W.B.), Kenya

Spring 2018

- Traveled with UMass EWB group to help improve water quality in Kenyan village.
- Constructed two new water catchment system to increase water supply utilizing construction tools.
- Collected water samples at various sources and analyzed quality with a bacterium agar.
- Analyzed the local topography and mapped for future project installations using Garmin GPS.

RC Car Project

Fall 2019

- Developed RC Car by using circuit boards and different electrical engineering components.
- Calculated Energy consumed by analyzing circuit system.
- Disassembled RC Car by using small construction hand tools.
- Assigned as the role of quality control of the RC Car project to reassure the correct functionality of the project.
- Understand the process of design and the electrical components.

Work Experience

L.S. Starrett, Athol, MA, Engineering Intern

Summer 2019

- Implemented Engineering Change orders
- Learned the guidelines and ethics of a corporal workplace.
- Demonstrated high-quality CAD drawing skills utilizing Solid Edge.

University of Massachusetts, Amherst MA, Teacher's Assistant

Spring 2020-Present

- Operated different office hours to assist students to excel in their academic performance.
- Executed grading of student's homework, projects, and exams.

University of Massachusetts, Amherst MA, Research Assistant

Spring 2021-Present

- Coordinated research to determine water accessibility predictors to alleviate lack of access to drinking water in global scale.

Leadership

University of Massachusetts Chapter of Cru

Vice President

Fall 2018- Spring 2019

- Reserved event spaces for Cru
- Informed events occurring on student events list to create an advertisement for Cru.
- Encouraged members to get involved in the servant team and encouraged to go on summer mission projects.

President

Fall 2019-Present

- Counseled underclassmen in a spiritual mentorship program.
- Highlighted excellent leadership skills in the Cru servant team.
- Coordinate daily prayer times at the Cru office.

Skills

Ansys, Creo, Solid Edge, MATLAB, R, AMPL, Microsoft Office Suite, Communication, Counseling, Garmin GPS, Construction hand tools

Activities & Interests

E.W.B., Volleyball, Basketball, Bowling, Travel (Israel, Palestine, South Korea, Turkey), Guitar, Languages (Korean, English, Latin), Cafe