

ALLYSEN BELL

ENGINEERING STUDENT

OBJECTIVE

My goal is to utilize mindful design principals to create solutions that enhance the world.

EDUCATION

Olin College of Engineering

Bachelor of Science

Fall 2020 - Spring 2024

Relevant coursework: Quantitative Engineering Analysis, Design Nature, Modeling and Simulation of the Physical World, Fundamentals of Robotics

The Waverly School and Crescenta Valley High School

High School Diploma

Fall 2016 - Spring 2020

SAT 1580/1600

Relevant coursework: AP Environmental Science, AP Calculus, AP Physics, AP Literature, AP Computer Science, AP Seminar, Microeconomics, Human Nature

SKILLS

Java • Fabrication • Microsoft Project • Systems Integration • Digital Photography • MatLab • Electronics • Solidworks • Writing

EXPERIENCE

FIRST Robotics Competition

Systems Integration and Software Lead. Focused on electronics and software in mechanical design process.

Automated Terrarium

Collaborated to build a fully automated terrarium using moisture, temperature, and light sensors with an ESP32 microcontroller.

Earthwatch IGNITE Fellow

Conducted fieldwork on ecosystem repercussions of salinity variation.

Once Upon a Time Bookstore

Employee at local bookstore including sales, logistics for author events, stock inventory, and creating window displays.

FIRST Tech Challenge

Worked with mechanical team to create process documentation, wrote and presented technical overview to judges.

Hopper Device

Designed bioinspired jumping mechanism as part of Design Nature coursework.

Amateur Radio @ Olin

Member of team working on building radio ground station for SWARM-EX, an atmospheric CubeSat program.

CONTACT

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References upon request.