SOPHIA DAVIS

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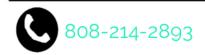
ACADEMIC & PERSONAL OBJECTIVES

I would like to major in biomedical engineering in college and obtain a Ph.D. I would also like to attend medical school and specialize in pathology. I want to combine my interests in engineering and medicine to someday create my own biomedical technologies startup.

WORK EXPERIENCE

Student Helper I at Kihei Public Library
March 2016 - March 2017
Worked at Kihei Public Library for a year as a student helper. Duties included arranging, shelving, stamping, and labeling books. Also helped set up the kids' crafts and did various assignments throughout the library.

Intern at Nalukai Foundation
June 2016 - July 2016
Worked with the Programming team for the new Nalukai website. Wrote some of the code (HTML, CSS) and inserted comments to help explain the code to future Nalukai campers.

Summer Intern at Maui Innovation Group
June 2015 - July 2015
Participated in the Women In Technology Stemworks Summer Internship and was assigned to Maui Innovation Group. Worked on the electronics and android app for Maui Innovation Group's coconut harvesting robot.

RELEVANT COURSEWORK & PROJECTS

Calculus
Took Calculus I last semester at UHMC through the Running Start program. Currently taking Calculus II at UHMC. Placed into Calculus through the COMPASS test.

General Physics
Took General Physics I (PHYS 170) at UHMC last semester, currently taking General Physics II (PHYS 272) . General Physics is similar to the College Physics class, however it implements calculus. It is commonly referred to as University Physics.

Research Writing
Took a research writing class (ENG 210) at UHMC in Fall 2016 and learned the fundamentals of writing academic papers. Also took an English 100 sheltered class at my high school during Fall 2015.

Independent Projects
Used Arduino to build a robot for my Freshman Independent Project. The robot can move around and use sensors to collect data from its environment. The project took me about one semester.

EXTRACURRICULAR ACTIVITIES

Girls Who Code Club
I was part of my school's Girls Who Code Club during Freshman year. We mostly worked on learning the basics of programming and how coding worked.