

Kristin Aoki

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Education

Olin College of Engineering, Needham, MA

May 2022

Bachelor of Science in Engineering with Computing

Recipient of 4-year half-tuition scholarship

Robert E. Lee High School, San Antonio, TX

June 2018

- Valedictorian

Experience

Engineering Intern, Six Seconds, Watsonville, CA

May 2019 - August 2019

- Designed and built website for World Children's Day POP-UP Festival (WordPress and Divi)
- Created new activities to promote emotional intelligence for POP-UP Festival.

Software Design Project, Needham, MA

April 2019 - May 2019

- Partnered with fellow Olin student building a web app for Candidates Weekend
- Used CSS and HTML

Color Sensor, Needham, MA

November 2018 - December 2018

- Partnered with a fellow Olin student building a color sensor that detects any color.
- Using Arduino to read and output signal
- Photodiode converts the light reflected of the colored paper into an electrical current corresponding with the color

Modeling and Simulations Project, Needham, MA

September 2018

- Partnered with a fellow Olin student building a model to predict the population decline of bees in the U.S.
- Used Python to build models

Hopper Project, Needham, MA

September 2018

- Individual project designing a mechanism that can hop using very simple materials
- Using bandsaw, drill press, belt sander, and SolidWorks

STEM Academy, San Antonio, TX

November 2017 - December 2017

- Project Team Manager for disruptive innovation demonstration
- Designed a model of a Tesla motor
- Constructed an energy flow diagram

Texas Society of Professional Engineers, San Antonio, TX

February 2018

- Shadowed a Civil Engineer at the San Antonio River Authority Offices and onsite at a park.

Olin Merchandise Rebranding, Needham, MA

September 2018 - November 2018

- Working with Olin College Marketing and Communications team to design merchandise.

Activities

Resident Resource, Needham, MA

August 2019 - Present

Resident Resource for the sophomore class, responsible for maintaining a safe community.

Director, Student Activities Committee, Needham, MA

August 2018 - Present

In charge of planning campus-wide activities accessible to all students.

Big Brother Big Sister, Needham, MA

September 2018 - May 2019

Engaged low-income kids in different simple engineering activities

Skills

Tools: Bandsaw, drill press, belt sander, vinyl cutter, and sewing

Interest: Golf, hiking, photography, viola, and community service

Computer: Python, HTML, JIRA, SolidWorks, Adobe Photoshop, Adobe Illustrator, Adobe Lightroom, MATLAB, Arduino, WordPress, and Pinnacle Studios