Kendall Shaw

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Objective:

Looking for an internship related to robotics or mechanical/electrical engineering.

Education:

University of Edinburgh
MEng in Electrical and Mechanical Engineering
Class of 2024

Relevant Coursework:

- Mechanical Engineering 1
- Electrical Engineering 1
- Engineering Software 2 (C/C++)
- Engineering Design
- Engineering Mathematics 1a/b
- AP BC Calculus

Skills:

- CAD (SolidWorks, Autodesk Fusion 360)
- C/C++
- Machining (Manual/CNC mill, lathe, drill press, band saw, chop saw, etc)
- Wiring (robot, EUFS AI vehicles)
- Pneumatics
- MATLAB
- Fluent Japanese speaker and writer

Awards/Qualifications:

- Japanese-Language Proficiency Test N1, signifying native speaker proficiency
- President's Award Gold for 100+ volunteer hours

Experience:

University of Edinburgh EUFS AI Team

September 2019-present

- Member of vehicle dynamics sub-team of the Edinburgh University Formula Student's AI Team, winning team of the 2018 and 2019 Formula Student's AI racing competition
- In charge of redesigning vehicle steering, Lidar mount, firewall, HVD, motor mount, and cooling
- Used OpenCV to calibrate Lidar for the vibration reduced with the new Lidar mount I created

Freelance Translation

January 2018-present

- Translating novels, textbooks, articles, and websites between Japanese and English
- Past work include high school calculus textbooks, news articles following the IR casino legalization in Japan, and website for a watch retailer

Research Assistant at SJSU

June 2018 San Jose State University

- Assisted in research run by Professor Freidoon Barez and his research group regarding thermodynamics and smart home insulation
- Ran experiments and collected data on heat transfer and temperatures within smart homes using combinations of different insulations and different glass windows in order to find the most optimal combination for houses in California
- Set up controlled environment within smart home unit, compiled and analyzed data using Excel spreadsheet

Robotics Camp Instructor

July-August 2016, 2017 Palo Alto High School

- Led camp organization and created lesson plans
- Instructed middle school students through designing and creating KOP "kit of parts" robot
- Taught students to use machines such as mill, hand drill, drill press, band saw, chop saw, and hack saw

Palo Alto High School Robotics Team

August 2015-May 2019

- Member of Build Team, responsible for designing and fabricating competition, practice, and show robots; using SolidWorks to design and run safety simulations, and fabricate using machines such as CNC mills and routers, laser cutters, and 3D printers
- 2018-2019 Hardware Manager; responsible for overlooking designing and fabrication process of robot for the year
- 2016-2017 treasurer, was responsible for managing a $87,000 budget
- Two times FIRST FRC World Championships qualifier, 2017 semifinalist