Ryan Stevens

Summary

Reliable and determined university student, studying Mechanical Engineering. Eager to learn and expand my skillset in a real-world environment. Experienced with customer interaction and educated in 3D modeling, 3D printing, mechatronics, and other engineering skills.

Education

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

B.S., Mechanical Engineering | 3.52 Cumulative GPA | Regents Scholar | Dean's Honors, Engineering Related coursework:

- Engineering Design/CAD (SolidWorks,) ٠
- Manufacturing (Machine Shop, Soldering, 3D • Printing)
- Mechatronics (Arduino, MATLAB, Simulink)

Experience

ENGINEERING INTERN | PRODUCTIVE ROBOTICS

- Researching methods to polish precision gears using ultrasonic technology. •
- Designing load cell-based precision gripper for robotic arms.

ENGINEERING INTERN | BAKKAVOR

- Created Safe Operating Procedures (SOP's) for machinery to improve efficiency and safety. •
- Documented start-up and shutdown steps for manufacturing equipment. •
- Implemented automated maintenance management software to decrease downtime.

ASSEMBLY TECH | SUMMERBOARD INC

- Inspected and tested components and assemblies for proper functionality. •
- Repaired defective or damaged components, including batteries, motor assemblies, and motherboards.
- Built containers and pack parts in accordance with packing specifications. •

OPERATIONS ASSISTANT | UCSB DEPARTMENT OF RECREATION OCTOBER 2018 - MARCH 2020

- Supervised intramural events.
- Ensured safety of participants, including providing first aid, as necessary.
- Worked with team to facilitate rapid cleanup and emergency response.

Major Projects

TRACING TOOL FOR PEOPLE WITH MOTOR ISSUES

- Designing in SolidWorks a device to stabilize hand movements during artistic endeavors. •
- Programming in Arduino, incorporating servos and an accelerometer. •

DANCING ROBOT

- Worked with a team of 5 to build a robot based off the designs of local elementary school students. •
- Designed in SolidWorks and assembled with an Arduino, motors, servos, LEDs, and laser-cut parts.

Community Involvement

CO-PROJECT CHAIR | AMERICAN SOCIETY OF MECHANICAL ENGINEERS

- Supervising freshman and sophomore level projects, including an animatronic hand and omnidirectional • car
- Senior Representative: Responsible for outreach for the club within the senior class.

EXPECTED GRADUATION JUNE 2022

• Scientific Writing (LaTex)

- Machine Learning (Python) •
- Thermosciences/Fluid Dynamics
- Circuits/Electronic •

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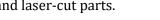
ryan61515.wixsite.com/ryanstevens

SEPTEMBER 2021 – PRESENT

JUNE 2021 – SEPTEMBER 2021

MARCH 2021 – PRESENT

APRIL 2019 - JUNE 2019



APRIL 2021 – PRESENT

DECEMBER 2020 – JUNE 2021