Ryan Stevens

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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   **EXPECTED GRADUATION JUNE 2022**

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

- Engineering Design/CAD (SolidWorks,)
- Manufacturing (Machine Shop, Soldering, 3D Printing)
- Mechatronics (Arduino, MATLAB, Simulink)
- Scientific Writing (LaTex)
- Machine Learning (Python)
- Thermosciences/Fluid Dynamics
- Circuits/Electronic

Experience

ENGINEERING INTERN | PRODUCTIVE ROBOTICS   **SEPTEMBER 2021 – PRESENT**
- Researching methods to polish precision gears using ultrasonic technology.
- Designing load cell-based precision gripper for robotic arms.

ENGINEERING INTERN | BAKKAVOR   **JUNE 2021 – SEPTEMBER 2021**
- 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   **DECEMBER 2020 – JUNE 2021**
- 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   **MARCH 2021 – PRESENT**
- Designing in SolidWorks a device to stabilize hand movements during artistic endeavors.
- Programming in Arduino, incorporating servos and an accelerometer.

DANCING ROBOT   **APRIL 2019 – JUNE 2019**
- 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   **APRIL 2021 – PRESENT**
- 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.