Samuel Leventini

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Skills

Python, SolidWorks, MATLAB, AutoCAD, Lathe, Mill, Microsoft Excel, Word and PowerPoint

Education

Bachelor of Science in Mechanical Engineering **Expected: Dec 2020**
University of California, Merced Cumulative GPA: 3.40
Relevant Coursework: Component Design, Heat Transfer, Thermodynamics, Tribology, Strength of Materials, Fluid Dynamics, Statics and Dynamics

Experience

Tribology Researcher – *Martini Research Group* **August 2019 – Present**

- Assisted in testing of Python script regarding ASTM-D341, returning plotted data values and best fit constants with standard deviation and percent error.
- Configured pre-existing Python code to return necessary recordings of oxygen sensor to be displayed in console each iteration, and plotted data after end of program.
- In conjunction with Graduate Student, performed tests on materials to test mechanical and physical properties with a focus in the area of tribology, aiming to discover new information.
- Researched and presented on current trends of tribology of today, mainly the greases being used in electrical motors.

AET Student Technology Consultant – ***UC Merced OIT*** **August 2019 – Present**

- Provide technical solutions in an efficient manner, either solving the technical issue at hand or deploying equipment to continue class or meeting.
- Kept logs of and maintained deployed equipment.
- Worked in a team of +10 members as well as independently to solve issues or provide workarounds.

Automations and Ignition Intern – *Bronco Wine Company* **May 2018 – August 2018**

- Supported in troubleshooting about how to fix problems concerning the platform Ignition and the connections the program established with the PLCs on site.
- Designed plans in AutoCAD of the Bronco Winery plants, machines, pipelines, and other such necessary components

UAV Drone Team Assistant Project Manager – *Engineering Service Learning.* **January 2018-May 2018**

- Helped organize the two teams of 15 students total and passed down instructions from project manager.
- Contributed to advancement of the UAV Drone project as the selected objective of Engineering Service Learning, the drone was commissioned by Dr. David Doll by overseeing tasks being completed by members and providing input towards solving problems or heading in the right direction.

Theta Tau Potential Omicron Class Project – *UC Merced Theta Tau* **August 2017 – November 2017**

- Worked with fellow engineering students to design a project demonstrating professionalism, brotherhood, and service.
- Designed and crafted a grandfather clock operating on an Arduino motherboard, servo that controlled the minute hand, and soldered lights that displayed the current hour.
- Divided into different teams and each worked on an aspect of the portion, then taught the other groups what they had accomplished.

Boys and Girls Club – *Volunteer* **October 2017 – November 2017**

- Designed games for the children of the Boys and Girls Club to play with, demonstrating various aspects of STEM.
- Answered questions regarding STEM careers and ideas, giving insight as to why we wanted to pursue the interests we had.

Organizations

Theta Tau – *Athletics Chair* **January 2018- May 2018**

- Developed a sense of closeness and unity by designing monthly meetings in the form of sports and games to bring the chapter closer together.
- Managed the 2018 Theta Tau Intramural Basketball Team.

Pilipino American Alliance – *Member* **August 2019-Present**

- Engaged in a mentorship program to teach and learn the culture of the Philippines and provide guidance in many areas, such as educational, career, and spiritual knowledge.

Honors and Awards

Summer 2020 Undergraduate Research Opportunities Center – *SURF Undergrad Researcher* **June 2020-Present**

- Conducted research in conjunction with PI Dr. Ashlie Martini.
- Edited python scripts to be utilized in lab settings

Dean's List **May 2020**

- Achieved GPA greater than a 3.5 for the semester.

Certifications

Fire Prevention and Safety Training **June 2019**