

# Oliver D. Pilon

• 156 Romona Dr. San Luis Obispo, CA 93405 • [Pilon2020@gmail.com](mailto:Pilon2020@gmail.com) • (505)241-9362 •

## EDUCATION

**California Polytechnic State University, San Luis Obispo, CA**

- B.S. Biomedical Engineering: Mechanical Concentration, expected March 2025

## SKILLS

- MATLAB, Python, AutoCAD, SolidWorks, Fusion360, COMSOL
- Finite Element Analysis (FEA), Computational Fluid Dynamics (CFD)
- Manufacturing: 3D printing, welding, milling
- Lab protocol adherence, data collection & analysis, attention to detail
- Construction with wood, leather, plastics, textiles

## PROJECTS

### **Wildland Fire Respirator**

Sep 2023 - Current

- Member of a multidisciplinary team developing a state-of-the-art wildland firefighting respirator with the goal of meeting industry safety standards
- Designing and fabricating custom parts for all stages of development, tests, and end product
- Develop testing rig to safely manage the use of hazardous gasses while measuring filtration and fan efficiency

### **Pulse Oximeter Design**

Jan 2022 - Mar 2022

- Redesigned portable pulse oximeters to provide more mobility while also increasing accuracy on different skin colors

## EXPERIENCE

### **Sales Associate, *Fluid Nutrition*, San Luis Obispo, CA**

Jul 2022 - Present

- Operated in a high-speed work environment, efficiently preparing products for sale and shipment to customers

### **Race Director, *March Triathlon Series*, San Luis Obispo, CA**

Mar 2022 - Mar 2023

- Generated \$20,000 profit out of \$30,000 revenue through effective budgeting, sponsorship acquisition, and increased participation
- Coordinated with local jurisdictions, clarifying roles and obtaining appropriate permits
- Ensured the timely and thorough completion of all race-related tasks by managing a team of 60+ volunteers, adapting to group members' strengths, and addressing resource gaps

### **Sales Associate, *GH Sports*, San Luis Obispo, CA**

Jun 2022 - Sep 2022

- Delivered customized multi-sport product recommendations and sales to a diverse customer base

### **Race Director, *Tour De Donut Ride*, San Luis Obispo, CA**

Jun 2021 - Apr 2022

- Obtained donations, sponsorships, event merchandise, and venue locations
- Recruited and supervised 20 volunteers to ensure a safe and efficient event

INTERESTS • Triathlon • Brewing • Skiing • Mycology

REFERENCES • Available upon request