Mechanical Sample CLICK HERE FOR THIS FORMAT

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PROFILE

Developing Mechanical Engineer with passion for problem solving and determination to overcome any challenge. Dedicated to producing the highest quality work with an emphasis on delivering early on timelines for project completion. Adept self-learner with the ability to adapt and thrive in any environment.

EDUCATION

Bachelor of Science, Major: Mechanical Engineering — May 2025
University of Portland, Portland, OR — GPA: 3.56

- Honors: Dean's List, Blue Key Honor Society, Alpha Lambda Delta
- Leadership Certificate Recipient, Franz Center for Leadership — August 2024

SKILLS

Software: MATLAB, SOLIDWORKS, LabVIEW, PLC, Arduino, EES, Excel, Powerpoint, Word, Microsoft Apps
Engineering: Thermodynamics, Heat and Mass Transfer, Fluid Dynamics, Research Methods, Numerical Methods, Numerical Analysis, Coding, CAD, Sketching, Design, Innovation, Entrepreneurship, Leadership

RELATED EXPERIENCE

Installation Coordinator, Eagle Garage Doors, Inc., Vancouver WA Seasonally March 2023-August 2024

- Automated invoicing procedure, increasing efficacy of billing infrastructure reducing payment time by 83%, with 90% of invoices now paid within 30 days compared to the previous average of 6 months
- Streamlined inventory management by liquidating excess stock and transitioning to a just-in-time system, supported by an online inventory platform, reducing company expenses and increasing customer savings
- Crafted bids for two apartment complexes that earned the company $35,000 in three weeks (about 60% of the total profit for the previous year)

Undergraduate Researcher, Shiley School of Engineering, University of Portland — Summer 2023

- Utilized Modal Tracking to diagnose real-time failure in cantilever beams
- Used LabVIEW and accelerometers to record raw beam movement data
- Created and utilized a MATLAB program to analyze the data and diagnose the failure of the beam

ACADEMIC EXPERIENCE

Ergo-Grabber Capstone Design Team, Shiley School of Engineering — August 2024-May 2025

- Established budget, managed purchasing and ensured that project was on track and on budget
- Spearheaded implementation of SCRUM as a method to design a physical product within the team
- Designed an ergonomic and inexpensive grabber that reduced strain in wrist and forearm
- Calculated the strain induced on the wrist for several designs and produced all of teams engineering calculations
- Compiled results into formal report and presented to faculty and peers at University of Portland Founder's Day

Undergraduate Research, EGR431: Engineering Research Methods — August-December 2023

- Conducted and produced a literature review of Robotic Exoskeletons with a focus on lower extremity exosuits

Reverse Engineering Project, ME222: Engineering Graphics — January-May 2022

- SolidWorks: Modeled and assembled twenty-five component object in CAD and produced technical drawings

ADDITIONAL EXPERIENCE

Engineering, Math, and Physics Tutor, University of Portland — January 2021-Fall 2024
Peer-Physics Tutor, Shephard Academic Resource Center, University of Portland — Fall 2021-Fall 2023