

Aron W. Walker

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EDUCATION

Oregon State University
BS in Mechanical Engineering
Business and Entrepreneurship Minor

Corvallis, OR
Senior

Technical Skills

Solidworks	Fusion 360	MS Project
Matlab	TIG Welding	Carbon Fiber
Soldering	CNC	Arduino

ENGINEERING PROJECTS

Shell Eco Marathon 2016-17

- Worked in a team to design the steering and braking system for OSU's competition car
- Helped design and manufacture jigs for welding the car's chassis
- Designed processes to minimize manufacturing problems and increase efficiency
- Won 2nd Place twice in North and South America with over 8,600 MPGe

Dental Composites Research

- Used Solidworks to model complex dental access openings and their internal geometry
- Analyzed models to find the bond strength of composites used to fill access openings
- Drew conclusions from the data obtained to be used in a research paper

Shell Eco Marathon 2018

- Team Manager and Vehicle Design Lead
- Redesigned braking system, steering, and wheel mounts to reduce losses

Phas'd Temperature Regulating Bottle

- Designed a temperature regulating bottle that cools your hot beverage down to the ideal drinking temperature and holds it at that temperature for 4-6 hours
- Currently in the process of patenting the technology

Other Projects: Prototype Hybrid Vehicle, OSU's Pumpkin Chunkin' catapult, Automated Cold Brewer

ACTIVITIES

American Society of Mechanical Engineers Club – Corvallis, OR

Vice President

March 2016 – February 2017

- In charge of club events and activities, making improvements to annual events
- Restructuring club and member interactions to increase member involvement
- Working on setting and achieving long term club goals

President

February 2017 – February 2018

- In charge of club meetings, events, projects, and long term success
- Working with OSU and Industry to maintain and increase support
- Doubled club membership to over 120 members

Shell Hack-a-Truck Design Challenge 2017 – Google Headquarters, Mountain View, CA

- Worked with students from other colleges to design future mobile food trucks
- Won an award for safest design with the best user experience

WORK AND VOLUNTEER EXPERIENCE

Tualatin Endodontics

2013-2015

IT & Digital Record Management

- Optimized paper to digital record conversion process to increase efficiency over 3 times
- Troubleshooted then solved hardware and software issues on computer systems
- Completed 12.5 years of records work in 3 months, at existing completion rates