

## experience.

### Cofounder - Eastside Powerwashing

June 2023 - Current

Cofounded a company to pressure wash driveways. Developed marketing experience by campaigning door to door, created an online presence, and offered a competitively priced and efficient service.

Website: [eastsidepowerwash.com](http://eastsidepowerwash.com)

### CEO and Founder - Eastside Smart Home

February 2024 - Current

Founded and lead a company dedicated to smart home installations and configurations for Eastside residents. Prioritized security by utilizing robust, data-driven open-source software like Home Assistant to ensure user data remains within their home. Built networks and bespoke smart home components based on individual use cases, incorporating elements such as 3D-printed components, AI on the edge, and microcontroller solutions. Designed and built a website for the company: [esh.parthiv.dev](http://esh.parthiv.dev)

### Lifeguarding - Cyan Swim Academy

May 2024 - Current

- Supervised and ensured the safety of swimmers by monitoring pool activities and enforcing rules.
- Communicated effectively with patrons to provide assistance, instructions, and respond to inquiries, fostering a welcoming and safe environment.
- Provided first aid and emergency care as needed, demonstrating calm and efficient communication during high-pressure situations.

## projects.

### WAQR - Portable Air Quality Sensor

May 2024

Developed and built an innovative, accurate, and portable air quality sensor priced under \$50, utilizing microcontrollers such as the D1 Mini and the Arduino Uno. This sensor uploads real-time air quality data to a server, enabling easy access through a website and contributing to a larger network of environmental monitoring for research. The project demonstrates proficiency in microcontroller programming, data management, network integration, and hardware skills like soldering and wiring.

## education.

### High School - Tesla STEM High School (2023-2024), Redmond High School (2024-2027)

Sept 2023 - Jun 2024

Maintaining a 4.0 GPA while taking rigorous classes including the following AP coursework: AP Calculus AB, AP Biology, AP Computer Science A, AP Microeconomics, AP Macroeconomics, AP Environmental Science, AP Computer Science Principles, AP Statistics.

Clubs and Competitions include - TSA, DECA, NSB, Science Olympiad, Wharton Investment, Future Investors, World Affairs, Math Club, NHS, etc.

## skills.

Design	Website	Code	Hardware	Data
UX Design	React	Rust	Networking	AI models
UI Design	Node	Python	Hypervisor	Visualization
Figma	HTML	Cloud	Power dist.	Cleaning
Photoshop	Tailwind	Javascript	Ethernet	Databases
Illustrator	Vercel	Github	Servers	Optimizing
Prototyping	Typescript	Algorithms	Backups	Training