Zach Heimbigner

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Experience

Software Engineering Intern

Schweitzer Engineering Laboratories, Pullman WA   *1/11/2022-Present*

- Worked to improve and add functionality to a web application that helped to identify vulnerabilities and weaknesses in software dependencies.
- Contributed a number of improvements to the frontend, backend, REST API, database and devops systems.
- My two largest contributions were a data collection and processing system for weakness data, and an internal problem reporting system.

Prandtl-D Wing Demonstration Team Member

University of Idaho/NASA, Moscow ID   *2022-2023 Academic Year*

- As part of a NASA program called T2U, I was a member of a team tasked with creating a functional UAV from scratch based on an experimental airfoil patented by NASA.
- My role was to develop and implement the UAV and avionic systems including: Autonomous flight, telemetry data collection, ground communication, and sub systems such as sensors and cameras.
- I also aided in presentations, business pitches, and collaborating with other team members from multiple disciplines to execute the project on time.

Skills

Languages

- React,Typescript,Python,SQL,HTML,CSS,C#,C++

Platforms

- Linux,Windows,Docker,Kubernetes,Jenkins,Unity

Education

B.S. in Computer Science

University of Idaho   *2019-2023*

- Graduating May,17th,2023

Projects

Personal Website V2

- A React-Typescript Site that hosts my portfolio and serves as a testing and learning environment for me to learn new technologies and practices.
- Languages: React,Typescript

References

Thomas Benda

Lead Development Engineer, Schweitzer Engineering Laboratories

- Email: Thomas_Benda@selinc.com

Austin Craigie

Software Engineer, Schweitzer Engineering Laboratories

- Email: austincrai@selinc.com