

# Zach Heimbigner

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## Skills

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### Languages

- Python, C++, JavaScript, C#, HTML, CSS, SQL

### Operating Systems

- Linux, Mac OS, Windows

### Related Courses

- Theory of computation
- Database systems
- Software Engineering
- Technical Writing

### Practical skills

- Eagle Scout with a bronze and silver palm
- Leadership and delegation
- Adaptability
- Perseverance

## Projects

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### Machine Learning Demo

- A program that lets you view the layers of a Neural Network and experiment with how number of nodes/inputs affects accuracy.
- Python

### FairHomePro

- Home improvement website for home owners to place bids for services provided from independent contractors.
- NodeJS, EJS, MongoDB

### Personal Website

- My personal website not only serves as a place to host my portfolio, but as a means to launch other future online based projects.
- NodeJS, EJS

## Education

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### University of Idaho

- Currently majoring in Computer Science
- Graduating in May 2023

## Professional Experience

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### Road Rating Assistant

*Spokane County, Spokane, WA*

*Summer 2019, Summer 2021*

- Created a program to gather county truck GPS data and catalog it into excel spread sheets.
- Rated and documented the condition of county local access roads and arterials.
- Handled the data entry and assured data integrity.
- Managed budget sheets, patching reports, crack seal reports.

### Math Instructor

*Mathnasium, Spokane, WA*

*year 2018*

- Tutored kids in grades 3-12
- Helped develop kid's math skills as well as problem solving
- Developed relationships with students and parents

## References

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### **1. Nicole Henson**

Pavement Management Technician  
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Spokane, WA

### **2. Becca McConnaughey**

Road Maintenance Administrator  
509-477-3600  
Spokane, WA

### **3. Jerry Post**

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### **4. Gayle Anderson**

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