

# Tim Standen

Portland, OR | [LinkedIn](#) | (269) 769-4710 | timmstanden@gmail.com

## WORK EXPERIENCE

### Snapshot

Chicago, IL

Software Engineer

April 2021 – Sept 2022

- Developed an AWS-based SAAS claims management application that handled thousands of record creations daily from the nation's top insurance companies. Development in MySQL, Ruby on Rails, and React.
- Converted a monolithic API endpoint receiving dozens of requests a second into a REST web service of several standardized resources, greatly improving scalability and reducing average API response time on large records from several seconds to half a second.
- Designed tailored solutions to common Web API issues such as asynchronous jobs, multi-record creations, and resource filtering.
- Provided technical support and profiled live performance of enterprise web applications receiving thousands of requests a second
- Worked in a close team of Developers, QAers, designers, and Project Managers taking an Agile approach to project management.

### Epic Systems

Madison, WI

Software Developer

August 2019 - Sept 2020

- Developed a suite of desktop and web applications to manage the real-time billing services of the world's largest healthcare systems. Development in C#, Typescript, and SQL
- Utilized test-driven development and Agile processes to create full-stack scalable web applications, with a .NET frontend and server coordinating petabyte-scale NOSQL and SQL databases.
- Reworked several system UIs to support accessibility standards around keyboard navigation and screen-reader support, making it easier for vision and motor-impaired users to work in our software.

### University of Michigan

Ann Arbor, MI

Instructional Assistant, EECS 492

January 2019 – May 2019

- Instructed a senior level CS course focused on Human-Computer Interaction, Usability, and Front-End Web Design taken by over 100 students. Course work was done in Javascript, JQuery, and Vue
- Prepared material for and led weekly discussion sections of roughly 30 students reviewing the material.
- Designed a series of class projects of increasing complexity giving students practical experience in topics such as usability and accessibility, event-driven design, MVC design patterns, and javascript frameworks like Vue.

### University of Michigan

Ann Arbor, MI

Research Assistant

April 2018 – September 2018

- Administered the computer system for the Radiation Weather Station, a network of dozens of computers and scientific sensors running multiple OSes that collected weather and radiation data for use by scientists and the general public.
- Prototyped low-cost Auxiliary Stations, smaller versions of our sensor arrays costing \$30 - \$100 that could be distributed to highschools across Michigan. They acted both as educational projects for high school students, and as a distributed sensor array for professional research.
- Coordinated work with coworkers across multiple disciplines and experience levels, including academic researchers, undergraduates, and professional engineers.

## EDUCATION

### University of Michigan

Ann Arbor, MI

BS in Computer Science, History; minor in Italian

Graduation Date: May 2019

## SKILLS & INTERESTS

**Programming Languages:** Ruby (adv) | Javascript (adv) | SQL (intermediate) | C# (inter.) | C++ (inter. - beginner)

**Technologies:** React.JS, .NET, REST APIs, Git / Github, ActiveJob, ElasticSearch

**Interests:** Hiking, Rock Climbing, Snowboarding, Sci-fi / fantasy novels, ttrpgs