

Sam Peterson

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EXPERIENCE

Aggrigator Inc.

Watsonville, CA (remote)

Full-Stack Developer

February 2021 - August 2023

- Developed, tested, and maintained a dynamic Django web application using Python.
- Improved the user interface and user experience of the web application using AngularJS.
- Designed and developed an internal-use Java Android application to improve efficiency in scanning and processing of inventory. Additionally, developed new API endpoints to serve this application.
- Built a responsive dashboard utilizing AngularJS and HTML, allowing for increased efficiency in inventory tracking and order management.

Michigan State University Library

East Lansing, MI

Full-Stack Developer

October 2019 - February 2021

- Led significant refactors and optimizations on a web application used by staff and patrons using PHP, achieving notable improvements in performance and maintainability.
- Designed and implemented a number of front-end organizational features to help improve staff productivity using HTML, CSS, and Javascript.
- Pioneered a comprehensive website overhaul to align with COVID procedures, integrating a shipping API to establish a system for shipping orders.

Elephants, Rhinos & People

East Lansing, MI

Android Developer

August 2020 - December 2020

- Designed and developed a software platform to manage a large inventory of bicycles for students in South Africa.
- Built a native Android application that utilizes NFC scanning to log bicycle usage.
- Utilized Google Firebase tools and Node.JS back end to implement authentication, database, and messaging between user clients.

SKILLS

Programming Languages: Python, Javascript, Typescript, Java, PHP, C++

Other Technologies/Frameworks: Django, Node.js, Express, AngularJS, Vue.js, JQuery, Bootstrap, HTML, CSS, AWS, SQL, Git, Android SDK, Google Firebase

EDUCATION

Michigan State University

East Lansing, MI

B.S. in Computer Science

- 3.5 GPA
- Linguistics Cognate

PERSONAL PROJECTS

MovieGeo

2023

- Developing a web application allowing users to explore an interactive world map displaying popular film production locations, along with relevant images and information.
- Technologies used: Node.js, Express, Typescript, PostgreSQL, Vue.js

Letterboxd Text Formatter

2023

- Developed a browser extension (Chrome and Firefox) to integrate a formatting toolbar into the Letterboxd social media platform.
- Technologies used: Javascript