

SAMANTHA WHELPLEY

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PROFESSIONAL EXPERIENCE

VISIMO

Pittsburgh, PA

Software Developer II (Team Lead)

SEPTEMBER 2023 – MARCH 2025

Tech: React | Redux | MUI | Vite | PWAs | Figma | Django

- **Managed** a team of 5 developers, contributing to sprint planning, task allocation, and budget management, improving coordination and communication with project managers.
- **Mentored** junior developers in frontend and design best practices, creating a structured learning path that doubled their productivity within three months.
- **Lead** the frontend development and maintenance of [NIXN](#), a construction risk management platform, transitioning the legacy site from jQuery to an offline-first **Progressive Web App (PWA)** with a **React and Apollo Client** architecture, supporting over **1000 users** with an average of **500 form submissions** per day.
- **Developed** the frontend for a USDA-funded risk management platform using **React and Django REST**, enhancing data reliability by making it offline-first with **Redux Offline**.
- **Implemented** unit testing strategies using **Vitest** across projects, consistently achieving **80%+ code coverage** and ensuring high code quality and reliability.

Software Developer I

MAY 2021 – SEPTEMBER 2023

Tech: React | Redux | MUI | React Native | Figma | Django

- **Created** a mobile app version of a client's web application using **React Native and Expo**, significantly improving user satisfaction by optimizing the UX for mobile devices.
- **Transformed** the UI of a Department of Defense web application by adopting **Material Design principles** and collaborating closely with UI/UX designers using **Figma wireframes**, leading to an increase in **client satisfaction and further project funding**.
- **Streamlined** version control and continuous integration processes by utilizing **Azure DevOps and Git** for pull requests and code reviews.
- **Implemented** modular, testable, and scalable frontend architecture with **React and Redux**, improving code maintainability and enabling quicker feature rollouts.

SKILLS

Programming Languages: HTML, CSS, JavaScript, Python

Frameworks/Libraries: React, React Native, Redux Toolkit (Redux Offline), Apollo Client v3, MUI, Plotly.js, Django REST, Websockets

Tools: Vite, Figma, Git, Docker

EDUCATION

University of Pittsburgh, Pittsburgh, PA

MAY 2021

Bachelor of Information Science, Minor in Computer Science

- GPA: 3.81/4.00
- Dean's List (7 out of 8 semesters)
- Studied Full Stack Coding with [iXperience](#) in Cape Town, South Africa during Summer 2019

EXTRACURRICULARS

Pittsburgh WITCON 2022, Guest Speaker

NOVEMBER 2022

- Selected to give my talk "Design Basics for Non-Designers" during the conference. Presented the principles of design and wireframing using Figma, focusing on the benefits these skills provide both technical and nontechnical professionals in tech without design backgrounds.