

# Mason Fernandez

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## Technical Abilities

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**Languages:** Python, SQL Databases, Javascript / Typescript, C++

**Tools:** Figma, Git, Node.js, React, Svelte

## Experience

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**UX / Product Design Intern**

August - December 2024

Solo LLC, Lehi UT

- Reduced proposal time by 10% through usability research and incorporating user feedback to streamline the UI.
- Designed and developed reusable UI components in Figma, coordinating handoff and collaborating with developers to ensure seamless implementation.
- Led team meetings on FigJam where we developed wireframes, user personas, and practiced facilitation and brainstorming.

## Projects

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**Portfolio Site** - Personal project featuring latest LLM / web dev technology

- Utilized OpenAI APIs and Ollama to deploy a local chatbot with custom roles and an input stream, enabling dynamic response loading.
- Integrated multiple RESTful APIs, including Pokémon and Shark Attack, to experiment with data interactions and enhance website functionality.
- Implemented RAG functionality as well as interchangeable locally hosted models on docker

**Raspberry Pi IoT** - Created a Python library for diy open source IOT devices

- Developed a Python Flask web server to manage and coordinate secure connections between IoT devices.
- Used Tauri to create a desktop React application for displaying logs from IoT sensors.
- Created class diagrams and implemented automated unit testing to ensure the scalability and maintainability of the project.

## Education

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**Utah Valley University**

B.S. Computer Science

**Senior, 3.86 GPA**

Graduating May 2025