

TIMOTHY WESLEY

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About Me

A Full Stack + AI/Automation Developer. For Frontend I work with JavaScript/TypeScript and React. For backend I use FastAPI and use Rust where performance is critical. For AI I consistently use LangChain.py and LangGraph.py.

Technical Skills

Languages: Python, Rust, Javascript, HTML5, CSS

Libraries/Frameworks: FastAPI, Axum, MongoDB, Faiss, LangGraph, LangChain, React

Tools and DevOps: Visual Studio Code, Git, GitHub, GitHub Actions (CI/CD), Docker

Testing: Pytest, Jest

Projects

Work Phone Application | [Source Code](#)

Web App

- An applications that answers the users missed calls with an AI Assisatnt using a twilio number, **DeepGram** and **LangChain**
- With **Faiss**, the user can save files and have the assistant reference them mid call
- A user Interface Built with **React** and **TypeScript** where the user can configure their number

Pizza Time! [Download Extension](#) | [Source Code](#)

Chrome Extension

- Designed and implemented a Chrome extension using JavaScript and **Express.js**
- Created a custom token-based authentication system using encryption and cooldown logic
- Stored user addresses and card info securely in **MongoDB** with crypto-based token renewal every 60 minutes
- Backend deployed with **Docker** and **Docker Hub**

Spideylopedia Application | [Source Code\(Web\)](#) | [Source Code\(Mobile\)](#)

Web App, Mobile App

- Developed a **React** web app and **React Native** mobile app for managing and viewing comic collections
- Created a Python-based LLM agent with **LangChain**, **LangGraph**, and **FastAPI**, enabling natural language interactions
- Integrated **MongoDB** for comic storage and **Redis** for AI memory/context handling
- Deployed via **CI/CD** pipelines using **GitHub Actions** across backend, and mobile components

Education

Indian River State College

Bachelor's of Science, Criminal Justice

Grand Canyon University

Master of Science, Software Engineering

August 2018 – April 2023

500 NW California Blvd, Port St. Lucie, FL 34986

March 2024 – Present

Online

Work Experience

St. Lucie County School District

Substitute Teacher

October 2025 – Present

9461 Brandywine Ln, Port St. Lucie, FL 34986

- Filled in for teachers when they are absent. Often times for high school and middle school.

Walgreens

Sales Associate

October 2020 – August 2025

4950 S US Hwy 1, Fort Pierce, FL 34982

- Provided **personalized customer service**, assisting with product selection, answering inquiries, and resolving concerns to ensure a positive shopping experience