Timothy Wesley

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About Me

Self-taught full-stack developer currently pursuing a Master's in Software Engineering. Originally from a non-technical background, I found my passion in programming after taking a Python course—and quickly began building AI-powered, full-stack applications across web and mobile platforms.

Technical Skills

Languages: Python, Java, Javascript, HTML5, CSS

Libraries/Frameworks: FastAPI, Express.js, MongoDB, LangGraph, LangChain

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

Testing: Pytest, Jest

Relevant Course Work: Data Structures and Algorithms, Advanced Probability and Statistics with Python

Projects

The Batman *Download Game | Source Code* **Swing**
    Entirely in Java using Swing for the GUI and graphics engine

- Implemented custom enemy AI, wave generation logic, and increasing difficulty over time
- Developed scoring, collision detection, player state management, and sprite animation
- Packaged the game for download and distribution as a standalone desktop app

Pizza Time! *Download Extension | Source Code* **Express.js, MongoDB**

- 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
- Implemented backend logic with Express.js and connected it to the browser extension UI

Spideypedia *Application | Source Code(Web) | Source Code(Mobile)* **React, Express.js, LangGraph, FastAPI**

- 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 frontend, backend, and mobile components

Education

Indian River State College   **August 2018 – April 2023**
Bachelor's of Science, Criminal Justice   *500 NW California Blvd, Port St. Lucie, FL 34986*
Grand Canyon University   **March 2024 – Present**
Master of Science, Software Engineering   *Online*

Work Experience

Walgreens   **October 2020 – Present**
Sales Associate   *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
- Stocked shelves, organized displays, and monitored inventory levels to keep the store fully stocked and visually appealing