Trevor Winkler

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EXPERIENCE

Burnet Software Solutions, LLC   *Austin, TX*
Software Developer   Jan. 2025 – Present
- Designed and developed custom websites for small business clients using **HTML**, **CSS**, and **JavaScript** with **mobile-first** responsive design principles.
- Implemented **MySQL 8.0** database integration for optimal content management and site performance.
- Created comprehensive **UI/UX** designs using **Figma**, translating wireframes into **responsive**, **user-friendly** layouts.
- Managed **end-to-end** web solutions including domain hosting, **SSL configuration** and form integration.
- Tested and validated AI interactions with real-world development tools including **APIs**, **Model Context Protocol (MCP)** tools, **CLI** commands, and system responses to ensure proper integration capabilities.

Leather Shoppes   *Cypress, TX*
Web Development/Operations Manager   Jun. 2019 – May. 2022
- Developed a **responsive e-commerce** website for leather furniture sales featuring product galleries, filtering capabilities, and mobile-optimized browsing experience.
- Reduced manufacturing times by **30%** during COVID-19 through factory partnerships.
- Launched a private label brand with sales team, increasing revenue by **21%** from Q2 2019 to Q2 2021.

Operations Team Member   Jan. 2017 – Jun. 2019

SKILLS

Languages: Python, C++, Go, Java, JavaScript, SQL, PHP
Developer Tools: Git, VS Code, Postman, MAMP Pro, Figma, Jupyter Notebook
Technologies/Frameworks: OpenAI API, RESTful APIs, Express, React.js, Node.js
Development Methodologies: Agile, Test-Driven Development, Waterfall
Devops & CI/CD: Docker, Kubernetes, Jenkins, SonarQube, Nexus
Databases: MongoDB, MySQL, PostgreSQL

PROJECTS

LLM Content Moderation System | *Python*
- Created a **security layer** for intercepting potentially harmful instructions to **AI systems**.
- Implemented **regex-based** pattern detection for identifying sophisticated **prompt injection** techniques.
- Integrated **OpenAI API** endpoints within a secure **Python** framework.

Discrete-Time Event Simulator | *Java*
- Created an **OS simulator** modeling **CPU** and **disk resource management** with realistic **process handling**.
- Implemented dynamic **process generation** with configurable arrival rates and **exponentially distributed** service times.

EDUCATION

Texas State University   San Marcos, TX
Bachelor of Science, Major in Computer Science
Relevant Coursework: Software Engineering, Parallel Programming, Object-Oriented Programming, Computer Architecture, Internet Software Development, Computing Systems Fundamentals.
Bachelor of Business Administration, Major in Management