
Jaime Quezada

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[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

SUMMARY

AI Developer with a unique background combining 7 years of mechanical engineering expertise with cutting-edge AI development. Specialized in building local LLM applications, real-time voice AI systems, and rapid AI-assisted development. Proven track record in refactoring legacy codebases and developing full-stack applications. Strong foundation in problem-solving and systems thinking from engineering background, now applied to building intelligent applications with Python, Ollama, LangChain, and modern AI frameworks.

PROFESSIONAL EXPERIENCE

Jinetics Inc.

Mountain View, CA

Controls Software Engineer ; Contract

August 2023 - January 2024

- Refactored complex legacy codebase using Object-Oriented Programming (OOP) principles in Python improving code readability and maintainability by 25%.
- Enhanced modularity of the codebase by implementing protocols, inheritance and encapsulation resulting in a 20% reduction in redundancy.
- Developed unit tests using pytest, covering edge cases and ensuring component reliability across various scenarios.
- Utilized GitHub to manage version control, issue tracking and facilitating code reviews, improving collaboration and code quality.

Mission Bell Inc.

Morgan Hill, CA

CAD Engineer

May 2016 - May 2022

- Generated detailed 2D drawings and 3D models of all individual system components for custom millwork assemblies in AutoCAD.
- Promoted in summer of 2021 to train and manage an international team of 4 engineers responsible for detailed CAD shop drawings leading to a 25% increase in project outputs.
- Reduced project costs by 15% through careful evaluation of design trade-offs, including material selection, manufacturability and production efficiency.
- Created Bills of Materials (BOMs) improving material tracking efficiency and ensuring accurate procurement of components.
- Streamlined collaboration between stakeholders through effective communication, setting clear expectations and understanding stakeholder needs for each project reducing design revision cycles by 20%.

Junior Engineer

July 2015 - April 2016

- Assisted senior engineers in producing 2D CAD shop drawings, reducing design errors by 10% and improving design revisions.
- Promoted to CAD Engineer after 10 months without prior industry experience based on performance and contributions to team efficiency.

TECHNICAL PROJECTS

Local LLM Assistant | Python / Ollama / Flask / React.js / LangChain / SQLAlchemy | [Github](#)

- Built local AI assistant with cross-device accessibility, conversation history and real time streaming.
- Maintained complete data privacy through local infrastructure processing.

Real-time Speech-to-Text | Python / OpenAI Whisper / PyTorch / Gradio / SoundDevice | [Github](#)

- Developed multi-language supported live transcription app with live preview, accurate final output and export feature..
- Optimized for Apple Silicon (MPS) hardware acceleration for improved performance.

Full-Stack eCommerce Platform | React.js / Node.js / Express / SQLite / Vercel | [Github](#)

- Rapidly developed production app in 7 days using AI-assisted development and prompt engineering.
- Deployed with full eCommerce features and modern UI/UX..

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL

Frameworks / Libraries: React.js, Express.js, Node.js, Flask, pytest, MLX, Unsloth, LangChain

Databases: MySQL, MongoDB, REST APIs

DevOps & Tools: Git, Pandas, NumPy, Jupyter Notebook

EDUCATION & CERTIFICATION

University of California, Davis | Bachelor of Science, Mechanical Engineering

Coding Dojo I Full-Stack Developer Certification in Python & MERN, September 2022