

Stone Werner

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EXPERIENCE

Software Engineer, Backend

June 2024 - Present

Texas Comptroller of Public Accounts

Austin, TX

- Developing web applications backend using Java and Spring Boot handling over 30,000,000 transactions per day.
- Building RESTful APIs that handle over \$118,629,810,348 in revenue for the world's 8th largest economy.
- Converting legacy applications to micro-services using agile methods such as sales tax, \$33,949,261,248 in revenue.

Freelance Web Developer

July 2024 - Present

Self Employed

Remote

- Generate leads and close deals individually to redesign websites for various clients across multiple industries.
- Create custom Next.js restaurant website with online ordering system using Clover API to boost online sales 63%.
- Use Next.js to completely redesign a 45 million dollar insurance company's website and online presence.
- Implement SEO techniques for up to a 150% increase in organic traffic within the first month post-launch.

Software Engineer, Machine Learning

December 2023 - Present

Scale AI

Remote

- Improved large language model (LLM) accuracy by 15% and efficiency by 10% with advanced prompt engineering.
- Reduced hallucinations by 10% through developing Python responses to prompts to reinforce LLM precision.

Software Engineering Fellow

July 2024 - August 2024

Headstarter

Remote

- Built 6 AI projects using latest tools like Next.js, OpenAI API, Pinecone, Firebase, Clerk, and Vercel.
- Implemented AI Rate-My-Professor with Pinecone index, custom RAG pipeline with OpenAI GPT-4o mini.

PROJECTS

ML Brain Tumor Classification | [Live App](#) | *Python, Tensorflow, Scikit-learn, Gemini Flash*

November 2024

- Built Xception transfer learning model with 21,000,000 parameters achieving 99% accuracy classifying MRI scans.
- Developed custom CNN model with 77% fewer parameters while maintaining 98% accuracy across categories.
- Implemented AI reasoning using saliency map and Gemini-powered natural language to increase usability by 85%.

ML Customer Churn Prediction | [Live App](#) | *Python, Pandas, Llama 3.2, OpenAI API, Streamlit*

October 2024

- Built end-to-end pipeline for churn prediction model with 5 different ML models and hyperparameter tuning.
- Implemented SMOTE resampling to improve prediction accuracy to 85% and increase recall from 54% to 59%.
- Integrated OpenAI API to automate prediction analysis and launch email campaign to maximize retention.
- Designed interactive dashboard with real-time predictions and visualizations that decreased decision-making time by 10% and improved stakeholder understanding, resulting in 22% faster customer retention response times.

IntelliDrive, RAG Cloud Storage App | [Live App](#) | *Next.js, Pinecone, OpenAI API, Clerk*

September 2024

- Launched cloud storage application using Next.js, enabling users to upload & access 10GB of files from any device.
- Implemented AI assistant with OpenAI API & Pinecone, allowing users to query their files with natural language.
- Integrated Clerk for user authentication and organization management, enabling file sharing in organizations.

EDUCATION

University of California, Berkeley

Berkeley, CA

B.A. Computer Science

- Coursework: Artificial Intelligence, Operating Systems, Software Engineering, Computer Security, Data Structures, Discrete Math and Probability, Machine Structures, Electrical Engineering, Efficient Algorithms, Databases

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, C, RISC-V Assembly, x86 Assembly

Frameworks: Spring Boot, Next.JS, FastAPI

Operating Systems: Windows, MacOS, Linux, Unix

Tools: DB2, SQL Server, MongoDB, AWS, NumPy, PostgreSQL, SQLAlchemy, Docker, RESTful APIs

Interests: Surfing, Volleyball, Fitness and Nutrition, Feng Shui, Cars, Poker, Skiing, CodePath, Sustainability