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.
- Converting legacy applications to micro-services using agile scrums such as sales tax, $33,949,261,248 in revenue.
- Built security API that handles 2,549 + requests per day to authenticate users and decrease vulnerability by 10%.

Software Engineer, Freelance   July 2024 - Present
Self Employed   *Remote*
- Generate leads and close deals individually to redesign websites for 5+ clients across 3+ 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 Engineering Resident   July 2024 - Present
Headstarter   *Remote*
- Built 9 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.

Software Engineer, Machine Learning   December 2023 - January 2025
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.

PROJECTS

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.

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.

E-commerce Fundraising Platform | Live Store | *Next.js, Stripe, Printful*   June 2024
- Developed bespoke e-commerce platform with Next.js, Printful, and Stripe for non-profit fundraising with 5 SKUs.
- Generated over $130 in fundraising revenue in first 3 month event, donated to the Surfrider Foundation.

EDUCATION

University of California, Berkeley   Berkeley, CA
Bachelor of Arts, Computer Science

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, C, RISC-V Assembly, x86 Assembly
Frameworks: Spring Boot, Next.JS, FastAPI, React
Operating Systems: Windows, MacOS, Linux, Unix
Tools: DB2, SQL Server, MongoDB, AWS, NumPy, PostgreSQL, Docker, RESTful APIs, OpenShift, Jenkins
Interests: Surfing, Volleyball, Fitness and Nutrition, Feng Shui, Cars, Poker, Skiing, CodePath, Sustainability