

# 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 2023 - Present  
*Self Employed* Remote
  - Generate leads and close deals individually to redesign websites with React 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