Kevin Wong

Software Engineer

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Education

California State Polytechnic University - Pomona	Aug. 2021 - May 2025
Computer Science, Bachelor of Science - Summa Cum Laude	*GPA: 3.94*

President's Honor List (2022-2025), **Dean's List** (Fall 2021–Spring 2025)

Certifications

AWS Cloud Practitioner (Mar. 2025)

Technical Skills

Languages: JavaScript, Java, Python, TypeScript, HTML, CSS, SQL

Frameworks: React, Vue, Next, Express, FastAPI, Flask

Developer Tools: Amazon Web Services, Git, Github Actions, MongoDB, Postman API Testing, Docker, Hugging Face, MySQL Workbench, Linux, Maven/Gradle

Coursework: Software Engineering, Object-Oriented Programming, Big Data Analytics and Cloud Computing

Experience

Full Stack Software Engineer Intern — Jan. 2025 - Present

Up Cancer — Remote

- Refactored legacy CRM codebase to eliminate performance bottlenecks, improving scalability and prepping for AWS deployment (EC2, Lambda, DynamoDB).
- Designed serverless backend architecture with DynamoDB, reducing anticipated API latency by streamlining data access patterns.
- Translated Figma-based designs into responsive frontend components, achieving seamless backend integration across user flows.

Full Stack Software Developer — Aug. 2024 - Present

AI-in-Construction Technology Initiative — Pomona, CA

- Built a multi-model construction chatbot with dynamic model switching via RESTful APIs, reducing response latency by 40% and streamlining workflows across Precon, Con, and Postcon phases.
- Identified performance gaps in open-source models due to limited construction-specific knowledge; initiated training of proprietary AI models using real contractor data to deliver more accurate, domain-relevant answers.
- Partnering with a multidisciplinary team to strategize and execute a scalable roadmap toward commercializing the chatbot into a deployable industry tool, leveraging guidance and sponsorship from Cal Poly Pomona faculty advisors.

Software Projects

PomonaCare | *JavaScript, React, Tailwind, Express, OpenAI, Vite, REST APIs* — Apr. 2025 - Present

- Led full-stack development of an AI-powered healthcare accessibility platform, to support non-English-speaking families by integrating a document translator, symptom matcher, and bilingual chatbot using React, Tailwind CSS, Express.js, and OpenAI GPT-4 Turbo.
- Boosted text extraction accuracy by 70% by implementing Tesseract.js as the primary OCR engine, enhancing usability of scanned medical documents for translation and care matching.
- Expanded AI chatbot multilingual capabilities and personalized interactions, improving user retention and making healthcare insights more accessible across diverse populations.

CaughtUp | *TypeScript, React, React Native, Next.js, Express, Firebase, OpenAI, NewsAPI* — Apr. 2025 - Present

- Developed a full-stack cross-platform news quiz app (React Native + Next.js) with Firebase Auth and Express backend, enabling secure login and daily quiz delivery.
- Designed and implemented multi-step user flows with state-driven routing, session management, and Firestore persistence, while developing unit tests for backend quiz APIs and user authentication flows to ensure security and functionality.
- Upcoming enhancements include OpenAI-powered quiz generation, persistent streaks via Firestore rules, and a scalable leaderboard architecture with Firestore indexing and aggregation.

PlanYourPlate | *JavaScript, Tailwind, React, Express, MongoDB, OpenAI* — Sep. 2024 - Dec. 2024

- Built and deployed an AI-powered meal planning app with customizable user preferences.
- Enhanced meal plan accuracy and readability by integrating OpenAI's API with custom prompt engineering, driving personalized experiences.
- Implemented detailed meal cost breakdowns and error handling to improve usability and engagement.