Kevin Wong

Software Engineer

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Education

California State Polytechnic University - Pomona   Aug. 2021 - May 2025
Computer Science, Bachelor of Science   *GPA: 3.94*
President's Honor List (2022-2024), **Dean's List** (Fall 2021–Spring 2024)

Certifications

AWS Cloud Practitioner (Mar. 2025)

Technical Skills

Languages: JavaScript, Java, Python, HTML, CSS, SQL
Frameworks: React, Vue, Next, Express, Flask
Developer Tools: Amazon Web Services, Git, MongoDB, 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. 2025 - Present
AI-in-Construction Technology Initiative   *Pomona, CA*
- Created a multi-model construction chatbot using Vue, JavaScript and Ollama, optimizing workflows across Precon, Con, and Postcon phases.
- Developed RESTful backend API to support dynamic model switching, enabling real-time AI responses with low latency.
- 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.

Predictive Analytics Developer   Jun. 2024 - Aug. 2024
Clune Construction   *San Francisco, California*
- Developed and implemented a model in Python to enable predictive financial insights and data-driven decision making within the company.
- Conducted thorough testing and debugging to ensure software quality and performance, receiving commendation from executive team for consistent model performance and contribution to financial analysis.

Software Projects

PlanYourPlate | *JavaScript, HTML, Tailwind, React, Express, MongoDB, OpenAI*   Sep. 2024 - Present
- Built and deployed PlanYourPlate, an AI-powered meal planning app that delivers personalized meal plans tailored to user preferences, with seamless functionality across devices hosted on Render.
- Enhanced meal plan accuracy and readability by integrating OpenAI GPT API with custom prompt engineering, driving personalized experiences.
- Implemented features detailed meal cost breakdowns and robust error handling to improve usability and engagement.

E-Commerce Platform | *JavaScript, HTML, Tailwind CSS, Next.js, MongoDB, Stripe*   Sep. 2024 - Present
- Developed a full-stack e-commerce platform using Next.js, MongoDB, and Tailwind CSS to create a responsive and scalable online shopping experience.
- Implemented secure Stripe-based checkout for reliable payment processing and integrated MongoDB to manage dynamic product listings, user accounts, and inventory.
- Optimized performance with a modular code structure to support scalability and maintainability for future feature expansions.