

# 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

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

## Certifications

**AWS Certified Cloud Practitioner**

Mar. 2025

## Technical Skills

**Languages:** Python, JavaScript/TypeScript, Java, SQL

**Frameworks:** Express, Next.js, React, FastAPI, Flask

**Developer Tools:** Amazon Web Services, Git, Pandas, Dynatrace, Firebase, MongoDB, Oracle Developer, Docker, Linux

## Relevant Experience

**Data Analytics Intern**

Jun. 2025 - Present

*Hyundai AutoEver America*

*Costa Mesa, CA*

- Designed and developed a full-stack web application to automate SLA monitoring, featuring a dynamic frontend and a Node.js/Express backend with Python data pipelines to ingest metrics from Dynatrace API and BitBucket, eliminating manual work and enabling real-time visibility.
- Developed scalable Pandas pipelines to cleanse and merge multi-gigabyte monthly Verizon RDD datasets, reducing data volume by **90%** and decreasing refresh latency by **60%**. Analysis identified the top **10K** high-usage vehicles and key cost drivers, empowering the engineering team to investigate root causes of excessive data consumption.
- Mapped Gen 2/Gen 3 API protocols and analyzed call volume trends to pinpoint high-cost transactions. Designed and published interactive Power BI dashboards (featuring usage heatmaps and delta trends) that directly guided backend API performance optimization and informed ETL strategy during leadership reviews.

**Tech Fellow**

May 2025 - Present

*CodePath*

*Remote*

- Selected as 1 of 224 Tech Fellows supporting **7,800+** students in CodePath's technical interview course through live instruction, mentorship, and debugging.
- Leading group breakout sessions, explained algorithms and data structures, and guided students via Zoom and Slack to boost comprehension and confidence.

**Full Stack Software Developer**

Aug. 2024 - Present

*AI-in-Construction Technology Initiative*

*Pomona, CA*

- Building multi-model LLM chatbot (GPT + domain-fine-tuned models) via REST APIs, reducing response latency by **40%** and streamlining construction workflows across Precon, Con, and Postcon phases.
- Training proprietary AI models on real construction firm data to address domain-specific performance gaps in open-source LLMs; driving commercialization roadmap with Cal Poly Pomona faculty and cross-disciplinary team.

**Full Stack Software Engineer Intern**

Jan. 2025 - Jun. 2025

*Up Cancer*

*Remote*

- Refactored legacy CRM and designed serverless backend with DynamoDB, reducing API latency and prepping for AWS deployment (EC2, Lambda).
- Led backend integration across user flows, connecting Figma designs to backend APIs and ensuring seamless data delivery.

## Projects

**CaughtUp** | *TypeScript, React, React Native, Next.js, Express, Firebase, REST APIs*

Apr. 2025 - Present

- Engineered backend for full-stack news quiz app with Express and Firebase; implemented secure auth, dynamic quiz delivery, and Firestore-based progress tracking.
- Planned and developing scalable features including GPT-powered quiz generation, persistent streak logic using Firestore rules, and an indexed leaderboard architecture for performance at scale.

**PomonaCare** | *JavaScript, React, Express, OpenAI, REST APIs*

Apr. 2025 - Jun. 2025

- Led backend development for AI-powered healthcare platform using Express and OpenAI GPT-4 Turbo, integrating document translation, symptom matching, and bilingual chatbot to support non-English-speaking families.
- Boosted OCR accuracy by **70%** via Tesseract.js integration; optimized backend for scanned document parsing and multilingual chatbot personalization, improving retention and accessibility.