

Kevin Babakhani

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EDUCATION

California State Polytechnic University, Pomona - B.S, Computer Science December 2024 - 3.83 GPA

Coursework: Software Engineering, Data Structures and Algorithms, Object-Oriented Programming, Computer Networks, Mobile Application Development, Game Development, Artificial intelligence, Operating Systems

Awards and Involvement: CPP Dean's List (2023-2024), Presidents List (2024)

WORK EXPERIENCE

Coding Instructor - Coding Mind Academy - Remote October 2024 - Present

- Teach 10+ K-12 students a wide range of programming languages and technologies, including **Python, C++, JavaScript, HTML/CSS, and Flutter**.
- Design and deliver 50+ interactive coding lessons tailored to different age groups and skill levels, achieving a 90% student engagement rate based on feedback and participation.
- Lead 10+ hands-on coding projects and workshops, helping students increase problem-solving proficiency by 30% as measured by pre- and post-assessments.
- Assess student progress and provide personalized feedback to over 20 learners, adapting teaching methods to improve comprehension and retention by 25%, as reflected in student evaluations.

Operations Attendant - Associated Students Incorporated (CPP) - Pomona CA January 2023 - December 2024

- Managed an inventory system tracking 500+ student equipment checkouts, increasing efficiency and user satisfaction by 35% through improved organization and process automation.
- Optimized task assignments and workflows by collaborating in 20+ team meetings, leading to a 15% reduction in operational bottlenecks and improved response times.
- Implemented and enforced safety protocols, responding to 3+ emergency incidents and ensuring a 100% compliance rate with campus safety standards.
- Conducted hourly system audits, performing 20+ security checks per month to proactively identify and resolve potential risks, improving overall building security.

PROJECTS

LuminosityLEDs React/NodeJS/ExpressJS/TypeScript/MongoDB/NextJS

- Backend** Software Developer at LuminosityLEDs, contributing to scalable and reliable **backend systems**.
- Developed and maintained **Dockerized microservices** for an **ActiveMQ**-based notification system, enabling reliable message queuing and real-time notifications in a **production cloud** environment.
- Optimized **MongoDB** connection handling across multiple **services** (server, publish, subscribe), reducing redundant connections and improving efficiency.
- Collaborated in an **Agile** environment, working with **Kanban** and **Scrum** methodologies and participating in weekly team meetings to drive project progress exponentially.
- Used **Node.js** and **Express.js** for backend microservices, **React** for the frontend interface.

SerenityNest Flutter/Dart/Firebase

- Developed SerenityNest, a mental health Android app designed to support users' well-being through personalized features such as mediation, journaling, resources, and a quote of the day page.
- Implemented secure user authentication, integrating email/password and Google sign-in, alongside a dynamic light/dark mode toggle for an improved **UX** and a **Firebase** database (authentication, storing data).
- Optimized app stability with state management, ensuring seamless navigation and responsiveness in **asynchronous** operations.

CPP Bronco Dining Guide JavaScript/HTML/CSS

- Designed an intuitive UI via simplicity, consistency, and user consideration for a dining guide at Cal Poly Pomona ensuring seamless meal navigation.
- Integrated real-time dining updates by linking restaurant websites for current meal offerings and availability.
- Developed during CPP's 2024 BroncoHacks, demonstrating rapid development and problem-solving in a competitive setting.

SKILLS, HACKATHONS & ORGANIZATIONS

- Skills:**
 - Languages:** Java, C++, Python, C, TypeScript, JavaScript, Dart, C#, HTML/CSS
 - Technologies/Frameworks:** Docker, MySQL, JavaFX, MongoDB, Unity, NodeJS, ExpressJS, Blender, React, Flutter, Firebase, NextJS, Vercel
 - Developer Tools:** Git/GitHub, Linux, Atlassian: Confluence/Jira
- Hackathons:** CPP 2024 BroncoHacks
- Organizations:** T. Howard Foundation Final Talent Pool Member