

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 interactive coding lessons tailored to different age groups and skill levels, achieving a high student engagement rate based on feedback and participation.
- Lead hands-on coding projects and workshops, helping students increase problem-solving proficiency as measured by pre- and post-assessments.
- Assess student progress and provide personalized feedback to 20+ learners, improving comprehension and retention by 25% based on 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% by improving organization and automating processes.
- Optimized task assignments and workflows by collaborating in team meetings, reducing operational bottlenecks and improving response times.
- Implemented and enforced safety protocols, responding to 3+ emergency incidents and ensuring 100% compliance with campus safety standards.
- Conducted hourly system audits, conducting security checks to proactively identify and resolve risks, improving overall building security.

PROJECTS

LuminosityLEDs TypeScript/NextJS/ReactJS/NodeJS/ExpressJS/MongoDB/Axios

- Backend** Developer at LuminosityLEDs, designing and implementing a web app to control **embedded** LED lights using **Node.js** and **Express.js** for microservices, interacting with a **React frontend**.
- 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**, optimizing efficiency.
- Collaborated in an **Agile** environment, working with **Kanban** and **Scrum** methodologies and participating in weekly team meetings to drive project progress effectively.

Murmur TypeScript/ReactJS/Python/FastAPI/Firebase/Vite/Tailwind CSS/Axios

- Designed and developed an empathetic caregiver support tool for parents of neurodivergent children using **React, TypeScript, and TailwindCSS**, enabling real-time behavioral observation logging and AI-guided suggestions.
- Integrated **FastAPI** backend and **Firebase** for real-time interaction, enabling scalable support experiences with smooth state management and intuitive follow-ups.
- Developed at CPP's 2025 BroncoHacks, displaying rapid development and problem-solving in a competitive setting.

SerenityNest Flutter/Dart/Firebase

- Developed SerenityNest, a mental health **Android** app created with the **Flutter** framework, to support users' well-being through meditation, journaling, resources, and a quote-of-the-day page.
- Implemented secure **user authentication**, integrating email/password and Google sign-in, and **Firebase** for authentication and data storage.
- Optimized app stability with state management, ensuring seamless navigation and responsiveness in **asynchronous** operations.

SKILLS, HACKATHONS & ORGANIZATIONS

- Skills:**
 - Languages:** Java, HTML/CSS, C++, Python, TypeScript, JavaScript, Dart, C#, C
 - Technologies/Frameworks:** React, Flutter, MongoDB, Mongoose, Firebase, MySQL, NodeJS, ExpressJS, NextJS, Axios, Docker, Vite, Blender, Unity, Vercel, JavaFX
 - Developer Tools:** Git/GitHub, Figma, Atlassian: Confluence/Jira, Linux
- Hackathons:** CPP 2024 BroncoHacks, CPP 2025 BroncoHacks
- Organizations:** T. Howard Foundation Final Talent Pool Member