

# Kevin Babakhani

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## EDUCATION

### California Polytechnic University, Pomona

B.S, Computer Science

December 2024

3.83 GPA

**Relevant 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 Mind Academy

Coding Instructor

October 2024 - Present

Remote

- Teaching K-12 students a wide range of programming languages and technologies, including Python, C++, JavaScript, HTML/CSS, and Flutter.
- Designing and delivering interactive coding lessons tailored to different age groups and skill levels, ensuring engagement and comprehension.
- Leading hands-on coding projects and workshops, fostering problem-solving, logical thinking, and creativity.
- Assessing student progress and providing personalized feedback, adapting teaching methods to optimize learning outcomes in an inclusive environment.

### Associated Students Incorporated (Cal Poly Pomona University)

Operations Attendant

January 2023 - December 2024

Pomona, CA

- Managed inventory and tracking systems for student equipment checkouts, improving efficiency and user satisfaction by 35%.
- Collaborated in team meetings to analyze workflows and optimize task assignments, contributing to process improvements.
- Implemented safety protocols and emergency response procedures, ensuring a secure environment through effective communication and quick decision-making.
- Conducted regular system audits (rounds/counts of the building) to monitor security and operational integrity, proactively identifying and addressing issues.

## PROJECTS

### SerenityNest — Flutter/Dart/Firebase

- Developed SerenityNest, a mental health Android app designed to support users' well-being through personalized features.
- Implemented secure user authentication, integrating email/password and Google sign-in, alongside a dynamic light/dark mode toggle for an improved UX.
- Optimized app stability with state management, ensuring seamless navigation and responsiveness in asynchronous operations.
- Enhanced user experience with real-time error handling, providing instant feedback through UI alerts (SnackBar) during authentication.

### CPP Bronco Dining Guide — JavaScript/HTML/CSS

- Developed an intuitive UI for a dining guide at Cal Poly Pomona, ensuring seamless navigation of meal options.
- Integrated real-time dining updates, allowing users to access current meal offerings and availability.
- Built during CPP's 2024 BroncoHacks Hackathon, showcasing rapid development and problem-solving skills in a competitive environment.

### 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.

## 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