

Samuel Kim

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EDUCATION

B.S Computer Science, California State University, Fullerton

Expected: Dec 2025

Relevant Coursework:

GPA: 3.8

Data Structures, Algorithms, Front-End Development, Software Engineering

A.A Pharmacy Technology, Cerritos College

Aug. 2018 – Jan 2021

PROJECTS

Hotel Blissful Website

July 2024

- Led the development of a hotel booking and reservation management system, acting as Scrum Master for a team of four by organizing tasks, scheduling deadlines, and facilitating daily stand-ups.
- Engineered a responsive front-end using **React**, creating an intuitive user interface that streamlined the booking process and enhanced user satisfaction.
- Built the back-end with **C++** using **Object-Oriented Programming** principles, optimizing data processing, storage, and retrieval.
- Conducted comprehensive end-to-end testing, simulating user interactions to validate data accuracy and responsiveness.
- Deployed the application using **Vercel**, ensuring a reliable and seamless hosting environment.
- Built a CI/CD pipeline with **Git** and **Vercel** to automate deployment workflows and maintain code integrity.
- Load testing successfully handled up to 50 concurrent users and 140 TPS per instance without errors.

Untitled FullyHacks Game

Feb 2024

- Collaborated effectively with a team to develop a 2D game in **Godot** using **Python** within 24 hours, quickly learning and adapting to the platform without prior experience.
- Directed the team by dividing responsibilities across various aspects of game design and conducting hourly meetings to align on the game's direction.
- Quickly adapted to the platform and overcame the learning curve to meet the tight deadline.
- Implemented core gameplay mechanics, including player movement, collision detection, and scoring, significantly enhancing the game's functionality and user experience.

Advent of Code 2023

Dec 2023

- Achieved a 100% gold star rate in Advent of Code 2023 by solving algorithmic puzzles in **C++** on the day of release, showcasing exceptional problem-solving skills.

EXPERIENCE

Supplemental Instruction Leader - (Computer Science)

Jan 2024 – Present

California State University, Fullerton

Fullerton, CA

- Orchestrated and led **C++**-focused interactive study sessions, enhancing peer collaboration and achieving an average grade gain of 10% for attending students compared to their peers.
- Design and implement innovative learning strategies, significantly improving students' comprehension and retention of complex programming concepts.

Pharmacy Technician

Apr 2021 - Aug 2023

San Antonio Regional Hospital

Upland, CA

- Collaborated with pharmacists to streamline workflows, driving efficiency and improving overall productivity.
- Innovatively adapted and refined the compounding process to ensure compliance with new regulations, enhancing operational safety and effectiveness.
- Acted as a key liaison between management and technician staff, fostering clear communication and promoting a cohesive team environment.

TECHNICAL SKILLS

Languages: C++, Python, JavaScript, Java, HTML

Developer Tools: Git, VS Code, Visual Studio, PostgreSQL, MySQL

Systems: Ubuntu, Linux, Windows

Frameworks: React, NextJS, Django

Cloud Platforms: Vercel, Railway, AWS