

Monterey Park, CA  
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## EDUCATION

**University of California, Santa Barbara**

Dec 2024

B.S., Computer Science

Coursework: Internet Computing, Operating Systems, Computer Graphics

## EXPERIENCE

**Software Engineer, VVLEX Group LLC**

Aug 2024 - Present

- Led the design and development of interactive 3D furniture showrooms in Unity, integrated with an AI-powered chatbot
- Created 3D furniture models using ProBuilder, contributing to 20% of the available inventory
- Integrated a Llama LLM with a SQL-filtered database, connecting via RESTful API to deliver personalized furniture recommendations

## PROJECTS

**VRTennis** - Tennis Training VR App

Apr 2024 - June 2024

- Developed a VR tennis game with a CPU opponent in Unity, tested on Meta Quest 3
- Implemented a tennis scorekeeping system using colliders, tags, and scripts
- Integrated realistic physics by changing object materials and collision behavior
- Utilized OpenXR and XR Interaction Toolkit for interaction handling

**Wave** - Social Events App

Sept 2023 - Dec 2023

- Developed an event management app in an Agile environment using Flutter for cross-platform development
- Implemented OAuth for secure authentication and leveraged Firestore to store user and event data, enabling community members to post and join local social gatherings
- Implemented push notifications for event updates and user engagement using FCM

**Burd** - Bird Simulation VR Game

Apr 2023 - June 2023

- Developed a mini-game collection in Unity, showcasing different aspects of a bird's life
- Implemented interactive elements, including animation controllers for worm movement in the Feast mini-game
- Developed gesture-based locomotion for the Race mini-game, testing arm-flapping motion for enhanced VR immersion

## CERTIFICATION

AWS Certified Cloud Practitioner Certification

In Progress, Expected Apr 2025

## SKILLS

**Programming:** Python, C++, C#, Dart, Java, JavaScript, Swift, SQL, HTML, CSS

**Frameworks & Libraries:** Flutter, React, Spring Boot, Three.js, Node.js

**Platforms & Tools:** Unity, Firebase, Docker, Git/GitHub, Android Studio, Visual Studio, Figma, Wireshark, Heroku

**Languages:** English (Fluent), Mandarin Chinese (Fluent), German (Proficient)