

Sungchae Park

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EDUCATION

University of California, Santa Barbara
B.S. Computer Science | B.A. Mathematics
GPA: 3.79/4.00

Dec 2025

Relevant Coursework:

Data Structures & Algorithms, Advanced Applications Programming,
Computer Architecture, Computer Networks, Database Systems, Artificial Intelligence

WORK EXPERIENCE

Research Assistant — AR/VR Research Lab (Four Eyes Lab)
University of California, Santa Barbara

2025 – Present

- Extended a Unity-based XR replay tool with custom logic to validate participant behavior and extract JSON frame data, then analyzed 3D user behavior data using R, Python, and Jupyter
- Developed a Unity-based XR tooling pipeline (C#, Meta SDK) to test a custom hardware system, including a dashboard for experiment control and monitoring

PROJECTS

GachoRide — Legacy Full-Stack Web Application (Team Project)

- Implemented user-facing features in an existing Spring/React codebase, enabling riders to view real-time assignment status of ride requests
- Fixed admin-side UI state management issues to preserve table ordering after toggle actions, improving usability and correctness
- Worked within a legacy architecture using Java (Spring), React, and SQL, following acceptance criteria, issue tracking, and team code reviews

Online Library Web Application

- Built backend functionality on top of existing Firebase services, extending data models for user profiles and social features
- Integrated third-party public APIs to implement local library search functionality, handling data parsing and frontend integration

SKILLS

Languages: C++, C#, Python, Java, JavaScript, SQL

Frameworks & Tools: Unity, Git/GitHub, R, Jupyter, Firebase, React, Spring