

# Amir Aunyasopon

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## EDUCATION

### University of California, Irvine

Bachelor of Science in Computer Science

Irvine, CA

Expected Graduation: June 2029

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript, C++, C#, HTML, CSS

**Frameworks:** React, Next.js, Material UI, Tailwind CSS

**Developer Tools:** Git, GitHub, Unity, VS Code, Visual Studio, Zsh

**Libraries:** scikit-learn, pandas, NumPy, Matplotlib

## EXPERIENCE

### Game Programmer

Sep. 2025 – Present

Dungeon Dilemma

Irvine, CA

- Coordinated with game balance team to integrate dynamic pricing and reroll mechanics for 15+ items using C# and Scriptable Objects, achieving 80% positive feedback on shop economy
- Collaborated with 3 programmers and 2 designers to develop a shop system, managing 5 shop interface components, reducing implementation bugs by 30% through peer code reviews
- Optimized game performance by 20% by refactoring 10+ scripts across 3 major system folders including Player Logic, Mechanics, and UI controllers

### Data Analytics Intern

June 2025 – Aug. 2025

City of Burbank

Burbank, CA

- Achieved 35% improved savings for 50+ library programs by leveraging Excel Pivot Tables and SUMIF formulas to analyze 150+ financial transactions, and presented data-driven recommendations
- Minimized resource search time by 50% for 20+ learners by developing a literacy resource inventory system using the Airtable database to structure 200+ ESL materials with filterable categories
- Worked with library team to improve accessibility to the English learner section for the general public by cataloging 300+ books based on Lexile levels

## PROJECTS

### ZotRooms | *React, Next.js, Material UI, Tailwind CSS, JavaScript*

- Developed a platform which enables UCI students to search and reserve study rooms with real-time availability. Integrated Anteater API to fetch live room data, implemented custom filtering logic to search 100+ rooms by date, time, and location, and implemented a responsive interface with Material UI and Tailwind CSS

### Community Forums Platform | *React, Vite, Supabase, CSS, JavaScript*

- Building a responsive forums web application with 10+ interactive features including post creation forms, threaded commenting, search and sort functionality, and secure authentication middleware, achieving 40% faster load times through optimized Vite bundling and component lazy loading for enhanced user experience

### Inflation Rate Predictor | *scikit-learn, NumPy, pandas, Matplotlib, Python*

- Implemented machine learning inflation rate predictor using Python, scikit-learn, pandas, and NumPy to clean and preprocess global economic data by removing outliers and normalizing 10,000+ data points, trained linear regression model achieving 75% prediction accuracy on test data, and visualized trends with Matplotlib

## ACTIVITIES AND LEADERSHIP

### Academics and Alumni Affairs Committee Member

Oct. 2025 - Present

UCI ICS Student Council

Irvine, CA

- Managed and executed events, such as guest lectures and industry panels featuring speakers from Fortune 500 companies, increasing student engagement
- Collaborated with faculty to implement academic workshops and study groups, improving student development, community, and success
- Organized networking events and mentorship programs to strengthen connections between students and alumni