

# Jonathan Lau

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## Education

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**California Polytechnic State University, San Luis Obispo**

*Sep 2022 – Jun 2026*

*B.S. in Computer Science*

- Relevant Coursework: Data Structures, Algorithms, Systems Programming, Databases

## Experience

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**Lead Frontend Developer**

*Los Angeles, CA*

*SAY!T Mental Health*

*Jul 2025 – Present*

- Led frontend development for a production iOS mental health app, building onboarding, daily check-ins, and progress-tracking features in SwiftUI.
- Created reusable UI components and scalable state-management patterns, improving maintainability and accelerating feature development across the app.

**Software Developer**

*San Luis Obispo, CA*

*Hack4Impact*

*Sep 2023 – Present*

- Built and deployed a full-stack web platform for Habitat for Humanity that enabled staff to schedule and track donations across 100+ households.
- Designed backend APIs and data models, integrating AWS S3 for secure file storage and SendGrid for automated donor communications.
- Collaborated with nonprofit stakeholders and student developers to scope, build, and ship client-facing features.

**Integem Intern**

*San Marino, CA*

*Integem Inc.*

*Jun 2024 – Aug 2024*

- Debugged and optimized applications built in Unity and Python, improving stability and runtime reliability across multiple internal projects.
- Tested and supported development of 10+ augmented reality experiences on Integem's HoloAR platform, gaining hands-on experience with AR workflows, 3D interaction, and QA.

## Projects

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**ShotCaller AI**

- Built a full-stack NBA game prediction platform that used historical and live game data to estimate win probabilities.
- Developed and served prediction pipelines through a FastAPI backend and displayed real-time outputs in a Next.js frontend.

**Landlord Fortress**

- Developed a full-stack property management web app with authentication, an e-commerce storefront, and discussion features using React, Node.js, and backend APIs for account-based workflows.

**Stop Global Warming Daily**

- Built mobile-first product features for a sustainability platform that helped users track eco-friendly habits and visualize progress toward personal goals.

## Skills

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**Languages:** Python, JavaScript, TypeScript, SQL, Swift, Java, C++

**Frameworks:** React, Next.js, FastAPI, SwiftUI, Node.js

**Databases:** MongoDB, Supabase

**Tools & Platforms:** Git, AWS S3, REST APIs, Xcode, Postman, Docker, Linux