Jonathan Lau

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Education

California Polytechnic State University, San Luis Obispo   *September 2022 – Present*
Bachelor of Science in Computer Science   *Expected June 2026*
- **Coursework:** Systems Programming, Data Structures, Database Systems, Mobile App Development

Experience

Lead Frontend Developer   *Los Angeles, CA*
SAY!T Mental Health   *Jul 2025 – Present*
- Lead the frontend engineering team in building the company's iOS app in Swift, designed to gamify the mental health journey for Gen Z.
- Collaborated with designers and backend engineers to complete features supporting the mobile app

Software Developer   *San Luis Obispo, CA*
Hack4Impact   *September 2023 – Present*
- Built a full-stack web application for Habitat for Humanity, streamlining donation scheduling and tracking for 100+ households.
- Designed and implemented donor and admin user flows, improving usability and operational efficiency for staff and volunteers.
- Integrated AWS S3 for secure media storage and SendGrid for automated donor confirmation emails, enhancing reliability and communication efficiency.

Integem Intern   *San Marino, CA*
Integem Inc.   *June 2024 – Aug 2024*
- Supported 100+ students (ages 7–17) in debugging and troubleshooting code, resulting in faster program execution and improved application stability across Unity, Python, and Scratch projects.
- Assisted in the development and testing 10+ AR projects using Integem's HoloAR platform, allowing my students to create their own interactive 3D experiences.

Projects

Landlord Fortress
- Designed and developed a full-stack website using React, HTML, and Node.js to promote a real estate guide series, featuring an e-commerce storefront, informational pages on California rental laws, and a community forum for landlords and readers.
- Languages & Tools: React, Node.js, HTML, CSS, JavaScript

ShotCaller AI
- Built an AI-powered full-stack web application that predicts NBA game outcomes using live data from the Balldontlie API and a machine learning model trained on historical results.
- Designed an interactive Next.js dashboard that automatically displays daily NBA games, allowing users to explore team stats, view win probabilities, and read AI-generated rationales for each prediction.
- Languages & Tools: Python, Scikit-learn, FastAPI, Next.js, TypeScript, NumPy, REST API

PumPlanner
- Developed PumPlanner, a web app designed for college students to track workouts, set fitness goals, and visualize progress, improving workout consistency among 20+ beta users during user testing.
- Languages & Tools: Python, HTML, React, Node.js, MongoDB

Skills

Programming Languages: Python, Java, C, HTML/CSS, SQL, Swift, React
Applications: Microsoft Office Suite, GitHub, MongoDB, Supabase, Figma, Xcode, Android Studio