

Joshua Panicker

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EDUCATION

California Polytechnic State University, San Luis Obispo, CA	GPA: 3.88/4.0	(Expected Graduation - May 2028)
<i>Bachelor of Science, Computer Science</i>		
• Relevant Coursework:	Data Structures, Computer Organization, Proj-Based OO Prog and Design	
Dual Enrollment, De Anza College, CA	GPA: 3.9/4.0	(June 2023 - March 2025)
• Relevant Coursework:	Operating System Concepts, Prog Method C++, Intermed Problem Solving JAVA, Python Programming	
Dual Enrollment, Foothill College, CA	GPA: 4.0/4.0	(July 2024 - August 2024)
• Relevant Coursework:	Discrete Mathematics	

SKILLS

- Languages: Python, Java, C++, TypeScript, RISC-V-32 Assembly
 - Web Development: React, Next.js, Tailwind CSS
 - Databases: PostgreSQL, MongoDB
 - Tools & Platforms: Git/GitHub, Supabase, Cursor, Vercel, MS Office, Figma, Canva, macOS, Windows
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EXPERIENCE

CodeBox Project Co-Lead	Oct 2025 - Present
<i>(CodeBox: Cal Poly SLO computer science club for collaborative project development)</i>	
• Co-lead an 8-person cross-functional team developing a campus-wide academic resource-sharing platform	
• Engineered a credit-based economy using PostgreSQL to enable peer-to-peer study material exchange	
• Implemented secure file access with Supabase Storage using signed URLs and role-based access control	
• Constructed RESTful APIs with Next.js 16 and TypeScript, enforcing Row Level Security and automated content moderation	
• Oversaw system architecture, database schema design, code reviews, sprint planning, and technical documentation	
• Tech: Next.js 16, TypeScript, React 19, Supabase, PostgreSQL, Tailwind CSS	
Hack4Impact Software Developer	Nov 2025 - Present
<i>(Hack4Impact: Student-run organization developing projects for local nonprofits)</i>	
• Contributed a full-stack web application for a nonprofit in an 11-member cross-functional team	
• Modeled MongoDB schemas and implement data persistence and validation with Mongoose	
• Developed RESTful API endpoints in Next.js 16 and TypeScript to support core application functionality	
• Crafted reusable React components following team design systems and coding standards	
• Coordinated via GitHub issues and pull requests; participate in code reviews and follow conventional commit workflows	
• Tech: Next.js 16, TypeScript, React 19, MongoDB, Mongoose	
theCoderSchool, South Bay, Code Coach	Sept 2024 - Jan 2025
• Taught Python programming and Scratch to elementary and middle-school students	

Human Computer Interaction (HCI) Lab, Department of Computer Science and Engineering, Santa Clara University	
UI Designer/Developer	Jan 2024 - Nov 2024
• Developed virtual campus tours and digital experiences for underrepresented students	
• Created the official website for hosting the virtual campus tours	

VOLUNTEER / COMMUNITY SERVICE

Tutor, Code For Fun (Nonprofit)	July 2024
• Delivered a summer coding course to 10 students (ages 5–12) using Scratch and Python	
• Designed lesson plans, provided 1:1 debugging support, and guided students through interactive projects	
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Volunteer, Atria Senior Living Center	Sept 2023 – Jan 2025
• Established and facilitated a weekly technology class for seniors focused on practical digital literacy	
• Administered surveys to tailor instruction; assisted with device troubleshooting and social media usage	
• Authored step-by-step how-to guides to support independent learning	