

Liam T. Nguyen
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EDUCATION

Expected Graduation: June 2026

Bachelor of Science in Computer Science

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA | POMONA, CA

- Major: Computer Science
- GPA: 3.61/4.00

PROJECTS

August 2025 – current

TILTED LABS – MENTAL WELLNESS WEB PLATFORM (FULL-STACK PROJECT)

Tech: React, Node.js, Firebase (Auth, Firestore, Storage), Tailwind CSS, JavaScript

- Build a full-stack web application offering anonymous AI-assisted chat for mental wellness discussions..
- Implement Firebase Authentication for secure Google Sign-In and Firestore to store user conversations and profiles.
- Design a responsive interface with Tailwind CSS and React hooks for seamless desktop/mobile use.
- Deploy via Firebase Hosting for public access.

January 2025 – June 2025

SPACECRAFT MISSION CONTROL SYSTEM (JAVA + MySQL GUI PROJECT)

Tech: Java, Swing GUI, MySQL, AWS RDS, JDBCJavaScript

- Developed a mission management desktop system to schedule and track spacecraft missions, maneuvers, and crew activity.
- Designed normalized SQL schemas for missions, spacecraft, and employees; implemented CRUD operations with JDBC (Java Database Connectivity).
- Built interactive dialogs for scheduling and updating data with validation and role-based access control.
- Deployed MySQL database on AWS RDS and ensured data integrity using triggers and timestamp automation.

SKILLS

- **Programming Languages:** C, C++, Java, Javascript, TypeScript, Python, and SQL, C#, Swift, and PERL.
- **Web Development:** HTML, CSS, Tailwindcss, React, Node.js, Express, Firebase, PHP
- **Cloud & Infrastructure:** AWS (RDS, EC2, IAM), Firebase Hosting, Linux (Ubuntu), Virtualization (Oracle VirtualBox)
- **Tools & Platforms:** Git/Github, Visual Studio Code, Visual Studio IDE, IntelliJ, Eclipse, Netbeans, MySQL, Microsoft Word Suite (Word, Excel, Acess, Team, Outlook, etc ...)
- **Core Competencies:** Object-Oriented Programming, Data Structures & Algorithms, RESTful API Design, Cloud Deployment, Debugging and Network Fundamentals

EXPERIENCE

October 2022– June 2023

COMPUTER SCIENCE DEPARTMENT – SANTA ANA COMMUNITY COLLEGE | SANTA ANA, CA

Teaching Assistance

- Provided personalized academic support to students by tutoring them in coding assignments, addressing gaps in understanding, and explaining complex programming concepts.
- Collaborated with faculty to ensure alignment between tutoring sessions and lecture materials, reinforcing key topics and bridging knowledge gaps
- Graded and evaluated coding assignments, providing detailed feedback to students to help improve their coding skills and understanding of programming principles.

September 2021 – September 2022

MATH CENTER BUILDING – SANTA ANA COMMUNITY COLLEGE | SANTA ANA, CA

Math Tutor

- Provided one-on-one and group tutoring in various mathematics subjects, including College Algebra, Trigonometry, and Calculus I-III, helping students build a solid understanding of foundational and advanced concepts.
- Developed customized learning plans and study strategies tailored to each student's unique needs, enhancing their academic performance and boosting their confidence in math.
- Coordinated weekly meetings with the tutoring team to discuss best practices, share insights, and devise strategies for creating a supportive and engaging learning environment at the Math Center.

LEADERSHIP

September 2021 – June 2023

SANTA ANA COMMUNITY COLLEGE | SANTA ANA, CA

President of Computer Science Club

- Selected and assign members into groups to work on various club projects and activities. Helped students to improve their studying habits and provide appropriate techniques for maximum understanding.
- Gathered every Friday to discuss all sorts of things, such as how to build a resume, and how to improve coding habits and logic
- Helped members with their homework.