

Kayla Ngoc Nhu Tran

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EDUCATION

California Polytechnic State University, SLO - B.S. in Software Engineering *Expected Graduation Date: June 2025*
Affiliations: Dean's Honor Roll (2022)
Relevant Coursework: Data Structures, Project-Based Object-Oriented Programming and Design, Introduction to Computer Organization, Discrete Structures

EXPERIENCE

Banyan Infrastructure, San Francisco, CA June – August 2023

- Created and used Rest APIs to develop a new feature that streamlines and automates documentation of the heart of the codebase to allow the internal team(s) to easily and quickly understand the product
- Followed Vue.js framework to display and style the documentation in order to maintain consistency in the codebase

Intel & Hack the Hood Summer Fellowship, Remote July – August 2021

- Explored various topics in software development, data science and analytics, leading to the formulation of a Python web application using Bootstrap and implementing Django's built-in SQLite database as a final project
- Participated in discussions and speaker events regarding equity and inclusion in the tech industry

Google Computer Science Summer Institute (CSSI), Remote July – August 2021

- Applied P5.js in JavaScript to recreate mini games and digital art incorporating collisions and objects
- As a final project, created and presented an application to simulate the casino game Blackjack which incorporated the underlying betting system

Mission Bit Website Development Workshop, Remote July – August 2020

- Applied Bootstrap to launch various websites in HTML and CSS for increasingly complex usages
- Pioneered a merchandise reselling platform, which simulated bidding, purchasing, and posting items as final project

PROJECTS

Highly Cohesive and Loose Coupling, Cal Poly December 2022

- Introduced appropriate classes to remove enumerated types and implemented abstract classes and interfaces in order to improve cohesion in an existing Java project

MMIO, Cal Poly December 2022

- Created a program in RISC-V assembly which could handle interrupts

LEADERSHIP/COMMUNITY INVOLVEMENT

College Corps, San Luis Obispo, CA September 2022 – Present

- Selected to participate in a government funded volunteer-based fellowship to work with local organizations to tackle state-wide challenges; specifically focused on community engagement regarding climate action

Engineering Possibilities in College (EPIC), San Luis Obispo, CA June – August 2022

- Led and mentored 10-person group(s) of middle and high school students in coding assignments and group projects
- Executed weekly presentations on software engineering and computer science to more than 100 students

College Track, Oakland, CA July 2017 – Present

- Active 6-year participant in college and career readiness program whose mission is to provide a life of opportunity and choice for first-generation students

SKILLS

Technical: Microsoft Office Suite (Excel and Word), Google Suite (Sheets, Docs, Presentations), GitHub, Vue.js, Spring Boot, JUnit, Mockito, Gradle, Rest API
Coding Languages: Java, Python, Assembly, C, HTML, JavaScript, CSS