

Ryan Tsai

(510) 378-7955
ryanj.tsai@gmail.com
www.linkedin.com/in/ryanj-tsai/
<https://ryantsai.net>

Education

San Luis Obispo, CA

Cal Poly

September 2019-June 2023

- **Major:** Software Engineering
- **Software Coursework:** Intro to Computing (Security), Project-Based OOP, Discrete Structures, Intro to Computer Organization, Systems Programming, Design and Analysis of Algorithms, Programming Languages, Database Systems, Software Engineering I, UI Design & Development, Distributed Computing
- **Engineering Coursework:** Statistical Methods for Engineers, Technical Writing, Engineering Design, Financial Decision Making for Engineers,
- **Campus Involvement:** Theta Tau SLO, Founding Vice Regent; Korean American Student Association

Experience

Instructional Student Assistant

Cal Poly CSSE

March 2022-Present

- Worked closely with faculty in developing impactful software to bridge the gap between students' learning
- Managed sprint scheduling and ensured tasks proceeded according to schedule
- Demonstrated proficiency in documenting work on multiple Github pull requests

Software Engineering Intern

Code Workout

February 2021-June 2022

- Implemented front-end code to display student progress to course instructors
- Designed and refactored modules to implement student oriented testing solutions
- Performed multiple active record migrations in Rails, and back-end schema modifications on an SQL server
- Utilized: Ruby on Rails, Docker, SQL

Fulfillment Associate

Amazon

July 2019-September 2019

- Tackled multiple responsibilities in a fast-paced environment while completing tasks with quality
- Adapted quickly and demonstrated proficiency in 4 different roles
- Communicated clearly and effectively on warehouse operations status and updates

Machine Learning Intern

NEC Laboratories

August 2018-September 2018

- Involved in 2 projects pertaining to road traffic optimization and tattoo recognition software
- Promoted a driven and welcoming work environment by organizing weekly bonding events

Projects

Shport App: <https://shport.app>

- Collaborated with team throughout multiple sprint cycles to achieve timely progress
- Interfaced application with live APIs and web services to keep website up to date
- Utilized: MongoDB, Express, React, Node, Heroku, Cheerio, APIs

Theta Tau SLO Website: <https://thetatauslo.com>

- Improved user experience with landing page features such as a carousel directory and parallax effect
- Coordinated software maintenance and informational updates
- Utilized: React, Node, Git

Skills

SOFTWARE: PYTHON, JAVA, C, UNIX, GIT, JAVASCRIPT, HTML/CSS, RUBY ON RAILS, DOCKER, REACT.JS, RACKET, AWS AMPLIFY, API

OTHER: ENGLISH (NATIVE), CHINESE (FLUENT), SPANISH (CONVERSATIONAL)