

# TANNER TRAN

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## EDUCATION

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**California Polytechnic State University, San Luis Obispo**, Computer Science (B.S.)

**June 2025**

**Folsom Lake College**, Computer Science (B.S.)

Cumulative GPA: 3.785 | President's Highest Honors List

**May 2022**

**Relevant Coursework:** Data Structures, Discrete Structures, Human-Computer Interaction, Intro to Software Engineering, Object Oriented Programming, Systems Programming, User-Centered Interface Design/Dev

## PROJECTS

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### **Gamification for Enhancing Rhythm-Reading**

Lead UX Researcher & Developer – San Luis Obispo, CA

**September 2024 – March 2025**

- Senior research project that led an IRB-approved research study comparing a novel, rhythm-based video game to traditional worksheet practice among music students, aiming to determine if gamification offers a more effective approach to developing rhythmic skills over traditional methods.
- Managed study design, recruitment, data collection, and developed a program to analyze pre- and post- test performance quantifying rhythmic improvement on 47 Cal Poly music students.

### **Leasify (Software Engineering Project)**

Front-End Developer & UX/UI Designer – San Luis Obispo, CA

**March 2024**

- Developed a web application built with Next.js, Prisma, and designed with Figma to streamline the search of finding subleasing housing tailored for Cal Poly students.
- Crafted and implemented logos and landing pages in JavaScript and CSS and contributed to conceptualizing and designing different user pages such as the login screen and property pages.

### **Xpire (UC Santa Barbara Hackathon, SB Hacks X Submission)**

Front-End Developer & UI Designer – Santa Barbara, CA

**January 2024**

- Utilized React.js, Vite, CSS, and Typescript for front-end development on an interactive kitchen web application that keeps track of kitchen ingredients and notifies users when they are about to expire.
- Created front login page and other components in the dashboard such as the profile page with React Bootstrap.
- Designed different mockups for Xpire, ensuring a better visual representation of the app.

### **Yelp Success Analysis (Distributed Computing Project)**

Data Engineer – San Luis Obispo, CA

**July 2023**

- Analyzed business success trends using Apache Spark and large-scale Yelp JSON datasets.
- Parsed attributed like ADA access and pet-friendliness to correlate with review count and rating.
- Wrote custom parsers in Java within a Jupyter Notebook environment.

## TECHNICAL SKILLS

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- **Languages:** ARMv8 A64 Assembly, C++, HTML/CSS, Java, JavaScript (React, Next.js, Typescript), Python
- **Tools:** Figma, Git/GitHub, Jupyter, Microsoft Excel, Visual Studio Code, WordPress
- **Frameworks & Platforms:** React.js, Next.js, Bootstrap, Prisma, Vite
- **Other:** Accessibility (WCAG), Prototyping, SEO Optimization, UI/UX design

## EXPERIENCE & COMMUNITY SERVICE

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### **Care Provider**

**In Home Support Services (IHSS)** – Sacramento, CA

**May 2020 – September 2022**

- Provided in home care for the elderly such as primary care, and medication management.
- Ensured the safety and well-being of patient by completing tasks to enhance the patient's quality of life.

### **Church Volunteer Musician**

**St. John the Baptist** – Folsom, CA

**November 2018 – March 2021**

- Orchestrated and led the violin section of local church music choir.
- Conducted weekly rehearsals prior to mass and collaborated with the four other violinists, teaching them better techniques on how to execute and refine pieces.