Justin Chan

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EDUCATION:

Bachelor of Science, California Polytechnic University San Luis Obispo　　　　　　*Sept 2022 - Present*
Major: **Computer Science**　　　　　　Exp Grad: **June 2026**
GPA: **3.51**

Relevant Coursework
Intro to Databases, Intro to Computer Security, Software Engineering, Data Structures/Abstract Data Types, Algorithm Design/Optimization, Computer Architecture and Organization, Systems Programming, Discrete Math, Object-Oriented Project-Based Programming, Fundamentals of Computer Science

EXPERIENCE:

Intern for Programmable Solutions Group　　　　　　*July 2023 - Sept 2023*
- Constructed a demo for the DARPA ERI summit implementing photonics　　　　　　*Intel, San Jose, CA*
- Documented Nios V software for programming processors

Dental Office Assistant　　　　　　*Feb 2022 - Sept 2022*
- Applied programming for database management to organize office inventory, scheduling, and patient's profiles　　　　　　*Oak Meadow Dental Center, Los Gatos, CA*
- Implemented algorithms to optimize scheduling for maximum efficiency

PROJECTS:

Concert Ticket Database (SQL): In this project, I used MySQL to create a relational database to store different database tables. I also created a GUI to interact with the database using the JavaFx framework to interact with the tables in different ways. A user is able to sign into the database as a customer or artist which gives access to related tables and allows for the users to create/add/remove different records. There is also an admin account which can view all tables through the GUI.

PricePlate (Software Engineering): In this project, I worked with a team to create a recipe expense tracker, a web application designed to help users manage cooking costs and plan meals efficiently. I was responsible for prototyping in Figma and developing the application's frontend using TypeScript and CSS. We used MongoDB to store recipes and user data and the application was built using Next.js. Throughout development, we faced challenges such as efficiently structuring the database for complex recipe data and implementing real-time cost calculations, which we overcame through collaborative problem-solving. This experience significantly enhanced my skills in UI/UX design, frontend development, and working with modern web technologies.

LEADERSHIP AND AWARDS:

Event Coordinator | President　　　　　　*Feb 2022 - Present*
- Responsible for planning and coordination for social and cultural events　　　　　　*Chinese Students' Association,*
- Association representative for outward bound communication and relationship with other campus organizations　　　　　　*San Luis Obispo, CA*

Cal Poly College of Engineering Dean's List
- Fall 2022, Fall 2023, Spring 2024, Summer 2024
- Maintained a 3.5 GPA or higher for the quarter