

Justin Tran

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EDUCATION

UNIVERSITY OF CALIFORNIA, SAN DIEGO

Bachelor of Science in Computer Science

La Jolla, CA

Expected 2025

- Cumulative GPA: 3.91
- Coursework: Software Tools and Techniques, Theory of Computation, Software Engineering

PROJECTS

GeoGuru

La Jolla, CA

Backend Developer

March 2024-Present

- Cooperated with a team to create a travel planner using ReactJS, CSS, Javascript, MongoDB, ExpressJS, and NodeJS focusing on establishing an intuitive itinerary platform for users to easily discover and plan nearby events.
- Spearheaded a team of backend developers in implementing API routes using ExpressJS to manage itinerary data stored in MongoDB and integrate event information from various web APIs like Yelp API and OpenTripMap API.
- Implemented Firebase for user authorization and authentication, allowing users to access their travel plans across different devices.

E-Waste Website

La Jolla, CA

Software Engineer

April 2024-June 2024

- Led a team of developers and researchers to implement and deploy an informative website using Figma, ReactJS, NextJS, and Typescript aimed at educating college students about proper electronic waste disposal practices resulting in a 15% increase in campus-wide adherence to e-waste disposal guidelines.
- Crafted and developed a user-friendly UI using Figma and created reusable ReactJS components to establish seamless user-experiences for various different devices.
- Integrated NextJS UI components to enhance content organization and increase user engagement through a personality quiz.

Developer Journal

La Jolla, CA

Full Stack Developer

April 2024-June 2024

- Collaborated with various feature teams to construct a journal for developers using HTML, CSS, and Javascript, allowing developers to easily store and document their designs and coding decisions.
- Optimized data storage through custom Javascript classes and localStorage, improving efficiency and execution when importing and exporting data.
- Integrated WebAPIs such as the ChatGPT API to implement a chatbot, allowing developers to receive real-time responses to prompts.

Hackathon Dinosaur Evolution Simulator Project

La Jolla, CA

Software Engineer

April 2024

- Won 5th place overall out of 300+ participants in a competitive hackathon.
- Led a team to develop a genetic algorithm, in Python, to model dinosaur behavior and evolution, to determine the most optimal dinosaur for a given environment.
- Collaborated closely with a team to implement modular environments using Pygame and contributed to the development of randomized level designs.
- Designed and tested a dynamic dinosaur behavior using machine learning algorithms and breeding system that allows for continuous evolution over several generations.

ADDITIONAL

- **Programming:** Java, C++, HTML, CSS, Javascript, Python, ReactJS, ExpressJS, NodeJS, NextJS, MongoDB, Typescript
- **Skills:** Figma, Google Suite, Git