

Justin Tran

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EDUCATION

University of California, San Diego

Sep 2023 – Jun 2025

Bachelor of Science in Computer Science, Cumulative GPA: 3.91/4.00

San Diego, CA

Relevant Coursework: Data Structures and Algorithms, Intro to Parallel Computing, Software Engineering, Operating Systems, Web Client Languages, AI: Search and Reasoning

City College of San Francisco

Aug 2021 – Jun 2023

Bachelor of Science in Computer Science, Cumulative GPA: 4.00/4.00

San Francisco, CA

Relevant Coursework: Programming Fundamentals: Java, Programming Fundamentals: C++

WORK EXPERIENCE

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Sep 2024 – Present

Junior Software Engineer Intern

San Diego, CA

- Designed and implemented scalable, maintainable features for a marketing website using Laravel and Tailwind CSS, streamlining ACF blocks and resolving UX bugs based on user story acceptance criteria, enhancing user experience.
- Refactored JavaScript files to improve code minification through Cloudflare, leading to a 20% increase in page performance as measured by load time and total blocking time, and contributing to a 15% rise in user engagement.
- Optimized OpenSearch queries and analyzers to strengthen tokenization and filtering, increasing search accuracy by 20% and data throughput by 10%, and delivering faster real-time retrieval of firmographic data from AWS S3.
- Automated end-to-end UI tests using Cypress in GitLab, validating 25+ user-facing features such as page rendering, iframe loading, and dropdown filtering, which improved test coverage and reduced deployment risk.

PROJECTS

GeoGuru | (GitHub)

Apr 2024 – Aug 2024

Backend Developer

San Diego, CA

- Designed a travel planner in a team of 6 developers and designers by building a backend server on Vercel with Node.js, Express.js, MongoDB, and Firebase, and creating RESTful APIs and a database schema to boost query performance.
- Spearheaded backend development to engineer Express.js API routes, managing itinerary data in MongoDB, integrating external events from APIs like Yelp and OpenTripMap, and improving reliability through retry logic and error handling.
- Implemented Firebase Authentication with token-based JWTs for secure user authorization and authentication, allowing seamless access to travel plans across devices, while protecting backend routes from unauthorized access.

E-Waste Website | (GitHub)

Apr 2024 – Jun 2024

Software Engineer

San Diego, CA

- Led a team of 4 to build and launch a responsive educational website using React, Next.js, and TypeScript, contributing to a 15% increase in e-waste compliance by raising student awareness of recycling practices and drop-off locations.
- Developed a user-friendly interface in Figma and implemented responsive React.js components with Material UI, CSS Grid, and media queries, ensuring cross-device compatibility through manual testing.

Developer Journal | (GitHub)

Apr 2024 – Jun 2024

Full Stack Developer

San Diego, CA

- Created and deployed a static developer journal with HTML/CSS, and JavaScript in collaboration with feature teams, allowing developers to easily store entries, document design decisions, and record coding workflows.
- Optimized data storage using custom JavaScript classes and localStorage to speed up journal entry handling, and integrated the OpenAI API to build an internal chatbot modal that delivers instant, contextual responses to developer prompts.

TECHNICAL SKILLS

Programming Languages: Java, C++, Python, JavaScript, TypeScript, PHP, HTML/CSS

Tools/Frameworks: React, Next.js, Express.js, Node.js, Svelte, Laravel, Tailwind CSS, Firebase, MongoDB, OpenSearch, Cypress, Docker, WordPress, GitLab, Jira, Figma, Google Suite

Technical Competencies: Performance Optimization, Query Optimization, API Integration, End-to-End Testing, UI/UX Design, Database Management, Cloud Services