

Justin Tran

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SUMMARY

Software Engineer transitioning from a Test Engineer role (4+ yrs) in aerospace, specializing in building and optimizing software tools. Proven success developing autonomous data processing in C# and full-stack applications in React.js and PostgreSQL. Skilled in troubleshooting complex systems and reducing code technical debt. Dedicated to delivering high-quality, scalable, and efficient software solutions.

SKILLS

- **Technical Skills:** C++, C, C#, Java, Python, JavaScript, HTML, CSS, React.js, Node.js, Express.js, Tailwind CSS, TortoiseSVN, Postman, VSCode, Visual Studio, Eclipse, Arduino, Microsoft Office, Render, Windows 10/11, Linux (Ubuntu), MacOS, PostgreSQL, REST API, Atlassian Jira, Asana, Object-Oriented Programming, Data Structures, Operating System, Agile development methodologies / Scrum, Code Quality, SQL, Version Control (Git)
- **Professional Skills:** Strong attention to detail, Effective communication and writing, collaboration, active listening, Problem solving and adaptability, Self-motivation, resourceful and results-oriented mindset, Willingness to learn new skills

PROJECTS

Personal Portfolio Website

May 2025 - Oct 2025

- Designed and deployed a fully responsive personal portfolio website to showcase projects and professional background.
- Built with React and Next.js for dynamic routing, optimized rendering, and scalability.
- Implemented responsive UI with Tailwind CSS, optimizing for usability across devices.
- Deployed using Vercel, ensuring fast performance and continuous integration.
- Skills used: HTML, Tailwind CSS, JavaScript, React.js, Next.js, Vercel, Git

Facial Recognition Web Application

Jan 2025 - May 2025

- Implemented seamless web page transitions and rendering on front-end.
- Established and rigorously tested connection between client, server, databases, and API sides. Successfully simulated register and login session for end-user. Ensured requests and responses were passed from and received at each endpoint using REST API. Increased troubleshooting speed on communication issues (between server and ML API) by 50% by using Generative AI and config documentation.
- Integrated server-side functionality to communicate with Clarifai API's Face Detection. Utilized results to display box coordinates over identified human faces in provided image on front-end page.
- Skills used: HTML, CSS, JavaScript, React.js, Node.js, Express.js, REST API, Postman, ML API (Clarifai), Render, MacOS, Generative AI, Git

Password Checker

Apr 2023 - May 2023

- Developed Python script utilizing data from Password API URL to determine if user-inputted password(s) are previously hacked. Successfully generated output on how many times user password(s) were part of data breaches.
- Skills used: Python, Password API, SHA1 Hash Algorithm

WORK EXPERIENCE

The Boeing Company

May 2020 - Dec 2024

EE Technical Designer

El Segundo, CA

- Calibrated and maintained the test machine regularly before performing tests, ensuring compliance with industry best practices.
- Provided prompt solutions and proactive troubleshooting support to swiftly resolve hardware issues, cutting assembly standby time by 50%.
- Increased team throughput and efficiency by 30% by periodically monitoring team members' work status and addressing any issues that arise.
- Documented at least 80% of team's operating processes in detail to effectively train new and existing team members.
- Facilitated cross-team integration level harness test strategy alignment, achieving 95% test coverage for appropriate test phase and reducing duplicate testing efforts by 70%.
- Managed cross-team test scheduling, documentation, and data entry using Microsoft Office, ensuring accuracy and efficiency in daily operations.
- Maintained accurate records and escalated recurring technical issues to management for resolution.
- Spearheaded the team's effort to catch up on previous team's item backlog, leading to 87% backlog completion.

The Boeing Company

Jan 2024 - Sep 2024

Software Engineer (on loaner to Systems Test Team)

El Segundo, CA

- Refined the internal software tool's output report by updating the source code and presenting data in a more user-friendly way, thus enhancing the end-user experience by 22%.
- Developed and deployed an autonomous command and telemetry data processing feature in C#, which eliminated manual data checks and achieved 51% efficiency.
- Reduced 87% technical debt within major C# class modules source code used for file reading, processing, and output generation by renaming unclear functions and variables.

EDUCATION & CERTIFICATIONS

California State University, Fullerton

Aug 2015 - May 2020

B.S. in Computer Engineering, Minor in Computer Science

- **GPA:** 3.52
- **Achievements:** Cum Laude