JUSTIN TRAN

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Education

University of California, Santa Cruz — Sep. 2024 – Present
Bachelor of Science in Computer Science — Dean's List — GPA: 3.95/4.0 — Santa Cruz, California

Relevant Coursework

- Data Structures and Algorithms
- Linux Programming
- Assembly Language
- Linear Algebra
- Machine Learning
- C Programming
- Discrete Math

Experience

Software Engineer Intern — January 2026 – Present
Rekrut AI — *San Francisco, California*

- Integrating a **fine-tuned open-source LLM** into **Node.js** backend to power automated skill assessments and grading, reducing manual candidate screening time
- Engineering responsive, data-driven dashboards using **React.js** to visualize key hiring metrics and candidate analytics, enabling recruiters to make actionable, bias-free decisions
- Optimizing **database schema and API endpoints** to support Intelligent Profile Matching algorithms, improving the accuracy of candidate-to-role recommendations

Projects

NextPlay – NBA Prediction App | *React, Tailwind CSS, Django, MySQL, Pandas, scikit-learn* — **2025**

- Developed a full-stack ML application using **Django REST Framework**, **React**, and **scikit-learn** to predict NBA player performance, processing **15,000+ game records** with **automated Kaggle API integration and daily model retraining**
- Engineered a **Random Forest regression model** with custom feature engineering including rolling averages and contextual metrics, deploying via REST API with JWT authentication and MySQL database
- Built an automated data pipeline that fetches, validates, and ingests daily NBA statistics, trains updated models, and publishes to **Hugging Face Hub** for version control—eliminating manual workflows
- Designed responsive React front-end with **Tailwind CSS** consuming Django REST endpoints, implementing player search, prediction visualization, and historical performance analytics

InterviewBot – Tailored Mock Interviews | *React, Django, OpenAI API, Tailwind CSS* — **2025**

- Engineered full-stack mock interview platform with React frontend and Django REST API, integrating **OpenAI** to generate tailored interview questions and analyze user responses across clarity, relevance, and sentiment metrics
- Implemented text-to-speech functionality using OpenAI's TTS API with custom React component featuring visual and audio feedback, enhancing user experience through interactive bot avatar
- Designed **RESTful API** architecture with Django REST Framework handling asynchronous AI requests, JSON parsing, and error handling for 3 core endpoints serving dynamic interview content
- Deployed full-stack application to **Railway + Vercel** with production configurations, managing environment variables and CORS settings for secure cross-origin communication

ResuRAY – Resume Analysis Platform | *React, Django, OpenAI API, Tailwind CSS, PyPDF2* — **2025**

- Architected and deployed a full-stack web application leveraging **OpenAI's API** to analyze resumes against job descriptions, generating match scores, skill gap analyses, and personalized cover letters
- Engineered a **Django REST API with multipart form data handling** for PDF processing and implemented CORS configuration for secure cross-origin communication between Railway-hosted backend and Vercel-deployed React front-end
- Implemented robust **prompt engineering** to ensure consistent JSON-structured responses from OpenAI API, with comprehensive error handling and data validation using Django REST Framework serializers

Technical Skills

Languages: Python, Java, JavaScript, HTML/CSS, C, C#
Technologies/Frameworks: React, Vite, Django, Node.js, MySQL, OpenAI API, Tailwind CSS, Railway, Vercel
Libraries: Pandas, NumPy, scikit-learn, PyPDF2, Joblib
Developer Tools: VS Code, Git, GitHub, Hugging Face, Figma