DAVID TAN

Full Stack Developer

dtannyc1@gmail.com | Portfolio | Github | LinkedIn | New York, NY

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Ruby, SQL
Frameworks: React, Redux, Flask, Node.js, Ruby on Rails, Material UI
Databases: PostgreSQL, MongoDB | **Cloud:** GCP, AWS S3 | **Tools:** Git, WebSocket, Agile/Scrum

PROFESSIONAL EXPERIENCE

Soopra.ai | **Software Engineer, Apps and AI** | Remote | Nov 2023 - Present
- **Led frontend development team** and supported feature development across full-stack app
- **Built RESTful APIs for monetization system** using Stripe, incorporating both recurring subscriptions and one-time payments
- **Streamlined user onboarding** by debugging authentication/authorization issues in legacy systems
- **Resolved critical rendering bugs** causing frontend latency, improving user experience
- **Implemented real-time WebSocket events** for live posts/comments functionality
- **Architected 3D avatar integration** with voice features, creating technical documentation for offshore team
- **Deployed Flask application on GCP**, troubleshooting backend issues via cloud debugging tools

Scale AI | **AI Testing Engineer** | Remote | Aug 2023 - Dec 2023
- **Developed JavaScript assessment tools** for large language model testing and improvement
- **Created debugging prompts** to assess AI code explanation capabilities

Freelance | **Full Stack Software Engineer** | Remote | Oct 2023 - Present
- **Developed Twitch-integrated game** achieving 700+ bug-free games with 750+ unique users
- **Built chat command system** enabling real-time viewer participation with personalized avatars

Georgia Institute of Tech. | **Graduate Research Assistant** | Atlanta, GA | Aug 2014 - Dec 2019
- **Led research teams** resulting in 9 published journal articles and mentored 5 undergrad students

KEY PROJECTS

Davescord - React, Redux, Ruby on Rails, PostgreSQL, AWS, WebSocket   live | github
- **Built RESTful API** with Ruby on Rails backend and PostgreSQL database using ActiveRecord
- **Integrated WebSocket for real-time messaging** and AWS S3 for image hosting

Itinerator - MERN Stack, Google Maps API   live | github
- **Developed secure user authentication** with BCrypt and MongoDB for user data storage
- **Implemented Redux state management** and integrated Google Maps API

EDUCATION

Georgia Institute of Technology | Ph.D. in Mechanical Engineering (ABD) | Dec 2019 | 4.00 GPA
The Cooper Union | Bachelor of Engineering, Mechanical Engineering | May 2014 | 3.64 GPA