

Anthony Tzeng

Software Engineer | Irvine, CA (Open to Remote/Relocation) | (949) 375-8385 | aitzeng@gmail.com
[LinkedIn](#) | [Github](#) | anthonytzeng.com

Technical Skills

Front-End | Javascript, TypeScript, React, HTML5, CSS3, jQuery, React Native, Material UI, Tailwind, Next.js

Back-End | Node.js, Express, PostgreSQL, MySQL, MongoDB, Axios, RESTful API, Python

Testing/Deployment | Jest, Mocha, Chai, AWS, Loader.io, Cypress, Vercel, Lambda, Docker

Developer Tools | Git, npm, Yarn, Webpack, Babel, Agile Methodology, Linux, Trello, Figma, Jira, Miro

Professional Experience

Digital Aid Seattle | Software Engineer

Apr. 2024 - Present

- Responsible for the entire development life cycle of the full-stack application, collaborating directly with stakeholders and cross functional teams to ensure alignment with project goals and technical requirements
- Developed and implemented design system to streamline the onboarding process for new engineers, leading to faster understanding of code architecture and increased development speed by **33%**
- Migrated from **Supabase** to **Microsoft Azure** for database and authentication, improving system scalability while reducing operation costs by **80%**
- Integrated Docker to standardize development environments, eliminating all setup issues and environment-related bugs

Clearviction | Software Engineer

Feb. 2024 - Present

- Member of the front-end team responsible for bug fixing, feature updates, and testing
- Developed and maintained a dynamic website using **Next.js** and **Sanity CMS**, improving a Lighthouse Speed Index from **1.3** to **0.8 seconds** and a **80** to **91 performance rating**
- Resolved content and display bugs using **Material UI**, reducing bug reports by **40%** and leading to a **15%** increase in user retention
- Implemented **Cypress** tests for eligibility calculator, ensuring robust functionality and **70%** test coverage

Five Prime (acq. Amgen) | Sr. Clinical Trial Associate

Aug. 2018 - Jan. 2022

- Oversaw the recruitment of 163 clinical sites across 15 countries and the enrollment of over 900 patients for the company's lead program FPA-144 phase 3 clinical trial
- Spearheaded the FPA-144 phase 2 single-patient study, leading to FDA approval of the drug
- Identified and mitigated risks through the analysis of Key Risk Indicators, resulting in a 35% improvement in timely data entry across all clinical sites and a 30% enhancement in data quality

Projects

The World | Full-Stack Software Engineer | [Github](#) | *React-Native, Express, Jest, PostgreSQL* May - June 2023

Mobile vinyl-record trading application

- Linked 3rd party **API's** and implemented lazy loading with **React.js** to dynamically populate the catalog
- Architected the back-end structure for storing information and used **PostgreSQL** aggregate functions to reduce query time from **340ms** to **24ms**

Styl Forge | Full-Stack Software Engineer | [Github](#) | *React, Express, AWS, Loader.io, PostgreSQL*

May 2023

Modernized eCommerce Clothing Website

- Achieved a Lighthouse **speed index of 3.3s** while scoring **92 in best practices** and **90 in SEO** categories
- Deployed both server and database on **AWS EC2** instances and conducted benchmarking with **loader.io**, maintaining **1,000 RPS**, **0% error rate**, and an average response time of **80ms**
- Performed **ETL** for **2.5 GB** of data into a **PostgreSQL** database, facilitating seeding and seamless integration with the database and server requests

Education

University of California, San Diego | Bachelor of Science in Biochemistry and Cell Biology

2015 - 2018

Personal

- 3rd place at Arizona State University Opportunity Hack 2023