TYLER J. CHI
Software Engineer

CONTACT

📞 858.880.5676

✉ itychi@gmail.com

🏠 San Francisco, CA

🏠 My Website

in LinkedIn

Github

SKILLS

ReactJS/Redux
Express/NodeJS
Ruby on Rails
MongoDB/Mongoose
jQuery
JavaScript
Ruby
PostgreSQL/SQL
HTML
CSS/SCSS
130+ WPM

EDUCATION

BS / Biochemistry
University of California, San Diego
2013-2017
App Academy
2017-2018

PROFILE

Software engineer, with extensive experience in full stack web development, mainly with React, Rails, and NodeJS. My ultimate goal is to be able to use technology in order to improve the every day lives of the less privileged.

PROJECTS

WaySide   **Live | GitHub**

Full stack project built on a NodeJS/Express backend and React frontend.
- Built with MongoDB for database and NodeJS and ExpressJS for RESTful API backend
- Utilized Google Map API Geolocation for map rendering and distance calculation.
- Incorporated Google OAuth for secure user authentication
- Implemented unidirectional data flow with Flux for reliable DOM rendering

Bit Koi   **Live | Github**

Utilized HTML5 and CanvasJS in order to simulate koi fish swimming in a pond.
- Fish behavior entirely coded in vanilla JavaScript, without using any external libraries.
- Utilized calculus and trigonometry in the code, in order to have the koi fish imitate real fish.
- Users can drop food into the environment, causing fish to accelerate towards the food and then consume it.

Image-In   **Live | GitHub**

Full stack project built on a Ruby on Rails backend and React frontend.
- Implemented Cloudinary services, allowing users to upload photos onto the website.
- Users can like and comment on photos posted by other users.
- Users can follow each other, which affects which posts they see on their dashboard.

WORK/VOLUNTEER EXPERIENCE

Lab Technician - *UCSD | Stein Clinical Research Building | 2014 - 2017*
Worked in a diabetes lab, was given two co-authorships in well known journals for my contributions to the projects. Heavily used excel to analyze data
Diabetes Paper || **Nature Medicine Paper**

Math Tutor - *National City Library | San Diego | 2016*
Tutored young adults from underserved populations in high school level math, so that they could pass the GED test.
- Tailored instruction to each of my students based on their strengths and weaknesses