







# TYLER J. CHI

## Software Engineer

### CONTACT

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-  San Francisco, CA
-  My Website
-  LinkedIn
-  [Github](#)

### SKILLS

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

### EDUCATION

University of  
California, San Diego  
BS Biochemistry  
2013-2017

App Academy  
2017-2018

### PROFILE

Software engineer, with extensive experience in full stack web development, using React, NodeJS, and Rails. I hope to be able to use technology in order to bring people together, aid in healthcare, and help the less fortunate.

### PROJECTS

#### WaySide

Live | [GitHub](#)

*Full stack project built on a NodeJS/Express backend and React frontend.*

- Built with MongoDB database, Node/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 to simulate Koi fish swimming in a pond.*

- Fish behavior entirely coded in vanilla JavaScript.
- Utilized calculus and trigonometry to have the koi fish imitate real fish.
- Users can drop food into the pond, dynamically altering fish behavior.

#### 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

- Two co-authorships in well known journals (Diabetes and Nature Medicine)
- Extensive experience in Subcloning, DNA Purification, and RNA Purification.
- Heavily utilized excel to analyze data sets.

[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