

# Alan Tseng

Full Stack Software Engineer

[alan-tseng.com](http://alan-tseng.com) | [Github](#) | [Linkedin](#)

## EXPERIENCE

### Software Engineer Intern @ Student Information System

FEB 2021 - MAR 2021 // San Francisco, CA

- Built a new course editing feature by coalescing models from different course offerings (lectures, exercises, etc.) so staff can easily edit materials in a semester.
- Refactored Django codebase to cache homepage and reduce expensive queries on update of course offering models.
- Implemented cache invalidation after updates to critical assets to allow staff to add new course offerings without interruptions to production server.
- Implemented Slack Webhooks to improve student engagement with notifications on Slack about important uploads and attachments for the semester in real-time.
- Improved staff experience by implementing several quality of life features for interacting with student file submissions and editing backend model fields.
- Wrote unit and integration tests to increase test coverage across newly added features.

### Tutor, Instructor @

LASC Language Scholastics SEP 2019 - OCT 2020 // Rowland Hts, CA  
The One Tutoring Center JUL 2016 - DEC 2018 // La Puente, CA

- Planned and taught courses in ESL, TOEFL, and SAT I for private sessions of 1-4 students and larger 10 to 18 student sized classes..
- Communicated concepts clearly through lectures and follow-up tests for assessing student understanding.
- Monitored student progress and adapted material based on feedback from in-class materials and recommendations from staff..

## PROJECTS

**Warbler** - a Twitter clone built using Python, Flask, and PostgreSQL.

[Demo](#) | [Github](#)

**Jobly** - Job search site built using React, Express and PostgreSQL.

[Demo](#) | [GitHub](#)

**Convocord** - Discord clone using React/Redux, Ruby on Rails, PostgreSQL backend, and features live chat with Action Cable web sockets..

[Demo](#) | [GitHub](#)

Los Angeles,, CA  
(626) 322-7801  
[atseng202@gmail.com](mailto:atseng202@gmail.com)

## SKILLS

### Programming Languages:

JavaScript (ES6),  
TypeScript, Python, HTML,  
CSS, Ruby

### Technologies & Frameworks:

React, Node.js, Express.js,  
Redux, jQuery, Flask,  
Django, Ruby on Rails,  
Bootstrap, Git

### Database & Cloud Storage:

SQL, PostgreSQL, AWS S3

### Testing Libraries:

Jasmine, Jest, Supertest,  
React Testing Library

## EDUCATION

### Rithm School

NOV 2020 - MAR 2021

// San Francisco, CA

Full Stack Web Development

### University of California, Los Angeles

SEP 2012 - JUN 2016

// Los Angeles, CA

B.S. in Physiological Science

## LANGUAGES

English (Native)

Mandarin Chinese  
(Fluent)