

# William Tsai

## Full Stack Web Developer

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GitHub: <https://github.com/william-tsai> | LinkedIn: <https://www.linkedin.com/in/tsaiwilliam/>

### TECHNICAL SKILLS

#### Languages

HTML | CSS | Python | JavaScript | TypeScript | Java | SQL | Swift

#### Frameworks

Django | Flask | Angular | React

#### Databases

MySQL | SQLite | MongoDB

#### Server

Node.js | Express

#### Libraries

jQuery | Bootstrap

#### Misc.

AWS EC2 | Git | Postman | RESTful API

### PROFESSIONAL EXPERIENCE

#### Resident Developer

March 2018 – Present

#### Web Developer Trainee

November 2017 – March 2018

Coding Dojo

Burbank, CA

**Full Stack Development Training:** Spent over 1500 hours learning 7 programming languages and building web applications in Django and MEAN, as well as iOS applications in Xcode

#### Portfolio Projects:

**Team Roster Manager (solo project):** A web application that allows users to create and manage sports team rosters. It utilizes Sportrader's API to display the current player roster upon team creation. Its Node.js server is structured in three folders to allow for modularity and scalability. 7 Angular components are used to implement various roster management features.

**Technologies used:** JavaScript, Node.js, Express, Angular, MongoDB, Bootstrap, AWS EC2, RESTful API

**Coders On Demand (3-person project):** A tongue-in-cheek e-commerce site that allows students to hire freelance programmers to take their coding exams on their behalf. Personal responsibilities were to produce the template component of the website's MTV model, implement Bootstrap, and deployment.

**Technologies used:** Python, Django, SQLite, Stripe, Bootstrap, AWS EC2

#### Co-founder & Product Lead

January 2015 – June 2016

Q-Cigarettes, Inc.

Los Angeles, CA

**Entrepreneurship:** Founded company to develop the first smoking cessation app on the market delivering combination therapy, which was ultimately sold to the University of California, Los Angeles' research program

**Requirements Gathering:** Conducted surveys and interviews with prospective users and studied the smoking cessation industry to identify customer and market needs to help determine product features

**Software Development:** Led an Agile development of our Q-Cigarettes App by creating product roadmap, defining user stories and features, prioritizing product backlog, managing development sprints, and maintaining product spec documents

**Cross-Functional Management:** Managed collaboration among a team of 6 designers and engineers and utilized periodic team meetings and project management software to create and implement an efficient workflow that helped reduce development time by 25% for a minimum viable product

**Product Testing:** Conducted functional and user acceptance testing of our App and produced detailed reports to allow engineers to replicate and fix issues

**Fundraising:** Collaborated with executive team to participate in pitch competitions and present our business ideas to investors, aiming to secure funding to support development and operations

### EDUCATION

**University of Southern California** | Master of Public Health, GPA 3.72 | Los Angeles, CA | December 2014

**Bucknell University** | Bachelor of Arts, Chemistry, GPA 3.88 | Lewisburg, PA | July 2009

### ADDITIONAL INFORMATION

**Certification:** Agile Project Management, 2016, LinkedIn

**Hobbies:** Practicing table tennis, playing guitar, and swimming

**Other Language:** Mandarin (read, speak, and write)