

CHAP-LONG A. LAU

<http://chaplouglau.github.io/hello/> | (408) 708 6249 | chaplouglau@gmail.com

EXPERIENCE

Software Engineer Intern | **Miracle Corners of the World**

Manhattan, NY | Jan '18 - Present

- Responsible for constructing an applicant management system software that allows candidates to submit their application smoothly and companies to efficiently review and find their best candidates
- Architected an applicant portal with multi-step forms to collect & validate data, and a reviewer portal with data analysis & filtering tools
- Build with Test Driven Development (TDD) on Ruby on Rails with validation, functional, and integration tests to construct well-tested code
- Features OmniAuth authentication for one-click login, sessions & cookie management, AWS S3 file upload and retrieval & Bootstrap styling

Web Developer Intern | **Miracle Corners of the World**

Manhattan, NY | Jun '15 – May '16

- Designed and constructed organization's website via multiple iterations from wireframe to prototype to published product on WordPress
- Performed comprehensive data migration from organization's proprietary database onto MySQL
- Met with and advised client regularly throughout the design process to integrate organization's mission and story with an engaging UX/UI
- Provided site maintenance, custom CSS styling, site analytics, SEO optimization, documentation & support for staff after project completion
- Exponentially grew web traffic, increasing the number of applicants for their youth program by more than 170%

Web Developer Intern | **MobilePal**

Stony Brook, NY | Feb '15 – Jun '15

- Redesigned and modernized the website of an ecommerce startup onto WordPress to engage users and generate sales
- Proposed and advised on various design decisions to deliver an innovative user experience.

Pharmacy Intern | **KML Pharmacy**

San Jose, CA | Summer & Winter '14 – '15

- Advocated and executed creation of a company website to establish an online presence
- Labeled medication, preparing medications for delivery, collecting patient signatures, organizing store inventory
- Entered patients' information and medicine inventory into database

EDUCATION

Bachelor of Science in Applied Math & Statistics, Minor in Computer Science | Stony Brook University

Dean's List - Provost's Scholarship

Graduated: Aug '17

Software Engineering Immersive | Flatiron School

15-week immersive held @ Lower Manhattan Campus focusing on Ruby on Rails, JavaScript & React

Graduated: Aug '16

TECHNICAL PROJECTS

Restaurant Week NYC

Ruby

- Scraped restaurant data from OpenTable's website via HTTParty and Nokogiri, formatting and feeding the data through Yelp's API to determine the highest rated participating restaurants. Visualized the data using Bootstrap and created a step-by-step tutorial and walkthrough

HomeBase

JavaScript

- Built a news-aggregator site which curates customized content based on user's location in Object Oriented JavaScript
- Utilizes AJAX and JQuery to pull data from multiple APIs including New York Times, Dark Sky, and JamBase
- Organized JavaScript code with MVC design pattern in conjunction with the adapter pattern, utilizing proper group GIT workflow

VOLUNTEER & PROFESSIONAL AFFILIATIONS

Volunteer | **Miracle Corners of the World**

Manhattan, NY | Jun '14 – Present

- Held a workshop where I led and taught basic web development practices and online identity to a group of 35 mentees
- Screen profiles and conducted Skype interviews with international applicants
- Attended as a mentee at the youth leadership retreat with a vision for driving local change within the communities of San Pedro La Laguna

Developer | **Code for America**

San Jose, CA | Feb '18 – Present

- Contribute biweekly, technical skills for a volunteer organization that utilizes tech to solve civic problems within the local community

Past Fundraising Chair | **Theta Tau Professional Co-Ed Engineering Fraternity**

Dec '15 – Aug '17

Language and Tool Proficiencies: Java, HTML5, CSS3, JavaScript, MySQL, Ruby, Rails5, Bootstrap, jQuery, Unix, Heroku
Native English, Professional Conversational in Mandarin and Cantonese, Beginner Spanish, Photographer, Learning Enthusiast