

# Chris Weilacker

Software Engineer

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**Portfolio Site:** cweil.dev  
**Technical Skills:** JavaScript, Python, Java, C++, React, React Native, Node.js, Flask, Angular, Vue, Backbone, JQuery, HTML5, CSS, MySQL, TDD, SOA, MongoDB, Docker

After having worked in various positions in China/Hong Kong in the technology and telecommunications space I recently came back to the US with my family to finish my Computer Science degree and go into my original passion as a **Software Engineer**. I am currently looking for a full time, preferably remote/hybrid software engineering position in the **Los Angeles/Orange County** areas.

**References:** See [linkedin.com/in/chrisweilacker/](https://www.linkedin.com/in/chrisweilacker/) & [cweil.dev](https://cweil.dev)

## Software Engineering Projects

### Zillowish - Zillow Clone | Software Engineer

JS, REACT, POSTGRES, EXPRESS, AWS EC2, JEST, NGINX

[github.com/liskov-sdc/zillowish-facts-features](https://github.com/liskov-sdc/zillowish-facts-features)

- Refactored legacy code in React and Express with JEST Test Suite.
- Benchmarked MySQL, Postgres, Mongo databases with 10 Million records and chose Postgres.
- Implemented a Proxy Server that utilized service oriented architecture.
- Utilized New Relic and K6 to implement performance testing on my service and proxy both in development and deployed on EC2.
- Optimized app by implementing NGINX caching, server side rendering and scaling to handle up to 20K RPS to my backend API.

### Workout Timer App | Software Engineer

REACT NATIVE, PYTHON FLASK, OAUTH, MONGODB, AWS LAMBDA

[github.com/chrisweilacker/Workout\\_Timer](https://github.com/chrisweilacker/Workout_Timer)

- Built a Mobile App in React Native that allows one to create and save custom workout timers.
- Implemented Login with Google OAuth and Firebase to save a users timers to MongoDB utilizing a Python Flask backend.
- Converted my Python Flask backend to AWS Lambda Serverless functions with a Mongo RDS Database.
- Deployed App to my Android Pixel 3 utilizing AWS to handle backend functions and utilize the app daily for my morning workout.

### Rotten Tomatoes - RT Clone | Software Engineer

JS, ANGULAR, MYSQL, NODE/EXPRESS, AWS EC2, DOCKER

[github.com/number-ape/Rotten\\_Tomatoes\\_Scoreboard\\_Service](https://github.com/number-ape/Rotten_Tomatoes_Scoreboard_Service)

- Developed Rotten Tomato Clone App Service in Angular and NodeJS through Test Driven Development utilizing Travis CI.
- Utilized MySQL backend to analyze critic ratings and display scores based on the aggregated data from MySQL.
- Implemented a Proxy Server that utilized service oriented architecture combining my video, poster and critic review scoreboard with my other team members services such as showtimes and user reviews into a complete item page.
- Deployed App on AWS EC2 assembled via Docker.

### Python A\* Map Route Planner | Software Engineer

PYTHON 3, TDD, GRAPH DATA STRUCTURE, A\* ALGORITHM

[github.com/chrisweilacker/Route-Planner](https://github.com/chrisweilacker/Route-Planner)

- Built a route-planning algorithm like the one used in Google Maps with Python 3.
- Utilized the A\* algorithm to find and calculate the shortest path between two points on the map.
- Developed a Network Graph object serialized in a pickle file to represent two different maps a simple and complicated map with 10 to 40 points with Edges describing distances between points.
- Tested resulting algorithm with a set of 6 tests and implemented a way to show the resulting routes.

## Professional Experience

### Galvanize Inc. | Hack Reactor @ Galvanize

2019 - 2019

Software Engineer Immersive Resident and Simultaneous Contract Web Development Work

- Debugged several hundred hours worth of student's code, guiding students to industry best practices via targeted questions that allow students to lead themselves to the answer.
- Mentored over 25 students, helping them to grasp fundamental Computer Science and Full-Stack Web Development concepts.
- Built and updated several applications and tools to increase community engagement and accountability for the Remote program.

### Pacific Light Data Communication Co. Ltd.

2015 - 2018

Senior Technical and Financial Consultant for the PLCN

Collaborated with executive team at company's inception managing IT needs as well as developing the Website, Financing and Sales pipeline, including negotiating major OTT contracts with some of the largest companies in the world including Facebook, Google, Apple and others. I also used Python and Javascript for our front-end and back-end websites and some small desktop tools. The PLCN, is the first telecommunications cable, directly connecting Hong Kong, SAR to Los Angeles, USA. The System is to be built alongside Google and Facebook and will deploy the latest technology to be one of the largest capacity submarine cables in the world.

### ChengChe

2012 - 2013

Founder/Team Lead

- Led a Team as a founder of ChengChe developing a mobile solution to China's traffic problems through a carpooling and Taxi app.
- Produced a prototype App in Objective C that mimicked the real world functionality of an Uber like platform, during Uber's launch.
- Founded in Beijing, China which was listed by IBM as having the worst traffic in the world in that year.

## Education

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### Hack Reactor @ Galvanize

2019

Advanced Software Engineering Immersive, Full Stack Development

### Udacity - Data Structures in Python & Object Oriented Programming in Java

2019

NanoDegree, Data Structures and Algorithms - Python & Object Oriented Programming in Java

### Amazon Web Services (AWS) Certified Developer

2019

<https://www.certmetrics.com/amazon/public/transcript.aspx?transcript=03TLC3DK22411PWB>

### California State University, Monterey Bay

2019

Computer Science - Software Engineering