

Maxwell Fong - Software Engineer

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[LinkedIn](#)

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San Francisco, CA, 94112

SKILLS JavaScript, Typescript, React, HTML, CSS, Ruby on Rails, SQL, Node.js, Express, PostgreSQL, MongoDB, Python

PROJECTS

Suber Eats | (React/Redux, Rails 7, AWS, Google Maps API, Python)

[live](#) | [github](#)

Uber Eats full stack clone with React/Redux frontend and Ruby on Rails backend, simulates full CRUD ordering

- Populated database by leveraging Google Maps API and Python BS4 library to scrape 1,500 restaurant menus in the Bay Area, Houston, New York and Chicago, resulting in realistic application scale
- Seeded over 100k rows of real-world restaurant data by creating EasySeeds open source Rails library
- Designed intuitive UI with Google Maps API and custom SQL query to fetch restaurants in 1.5mi radius of users click

Singed | (MongoDB, Express, React, Node)

[live](#) | [github](#)

Food recommendation and individual/group event planning web application

- Deployed a fully functional web application under one week time constraint by leading a team of four engineers
- Produced cohesive final product by guiding integration across full MERN stack codebase
- Reduced time in merge conflicts by initiating breadth-first git merge workflow, shortening resolve time to two hours

DSA-Visualizer - Work in Progress (Typescript, React, Object Oriented Programming, HTML, CSS)

[live](#) | [github](#)

Visualizer tool for Computer Science data structures and algorithms with educational explanations

- Abstracted pathfinding algorithms into iterator classes to produce step-by-step operation visualizations
- Created custom hook to responsively resize matrix based off window width to maintain application function
- Applied tabulation to reduce shortest path rendering memory and runtime, leading to order of $O(n)$ optimizations

EXPERIENCE

eCommerce Sales Associate

Aug 2018 - Dec 2022

Foreign Auto Tech

- Compiled market data on over 100 new-old-stock part lines via Python web scraper, resulting in decreased time to list and competitive pricing
- Streamlined listing productivity by automating .JPG/.PNG renaming with Python internal tooling for over 200 listings
- Increased average weekly sales by implementing SEO in eBay's search engine on over 600 listings, resulting in sales growth of 200% and consistent first page ranking on common key words

Financial Instruments Expert

Jan 2020 - Jan 2021

Coast Edge Trading Quant - Algorithmic Trading Startup

- Seeded stock market OHLC database by integrating with Polygon.io real-time REST API for data access
- Automated data labeling with Python, creating internal support, resistance, and moving average database
- Improved trading algorithm backtesting by designing Python paper trading library for faster product iteration

Media Intern

Jun 2016 - Aug 2016

ChinaSF

- Facilitated growth of Web3 by composing San Francisco Mayor Ed Lee's official press statement on Cryptocurrency, resulting in positive public reception
- Removed double navbar by refactoring HTML/CSS, resulting in clearer website user interface

EDUCATION

App Academy - 1000-hour immersive web development bootcamp with <3% acceptance rate

Oct 2022 - Feb 2023

Fudan University - Credits towards MA in Philosophy, granted Chinese Government Scholarship

Sep 2018 - Dec 2018

Wesleyan University - BA Philosophy and East Asian Studies (department honors)

Aug 2013 - May 2017