

# Maxwell Fong - Software Engineer

415-235-3725

mfong415@gmail.com

<http://maxfongdev.com/>

[LinkedIn](#)

[Github](#)

San Francisco, CA, 94112

**SKILLS** JavaScript, TypeScript, React, Python, HTML, CSS, MySQL, Node.js, Linux, Postgresql, Ruby on Rails

## 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 data by modularizing Rails Application Record methods into library for reading .CSV files, resulting in simplified seed file generation and automated photo attachment
- Designed intuitive UI with Google Maps API and custom SQL query to fetch restaurants in 1.5mi radius of users click
- Displayed user's comments with scroll-into-view method and useRef hook, resulting in accessible page flow

**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
- Routinely oversaw feature integration across full MERN stack codebase in order to produce cohesive final product
- Reduced time in merge conflicts with breadth-first git merge workflow, shortening total resolve time to two hours

**DSA-Visualizer** | (TypeScript, React, Object Oriented Programming, HTML, CSS)

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

*Visualizer tool for Computer Science data structures and algorithms with educational explanations - work in progress*

- 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
- Troubleshooted supply chain related customer issues by routinely collaborating with eBay and USPS staff to maintain 100% positive customer feedback rating

Software Engineer

Jun 2023 - Present

*Scale AI*

- Reviewed, corrected, and wrote code in C++, Python, and JavaScript, for Google's Bard AI to improve output quality
- Completed 10% of Pandas/Matplotlib sample production in group of 20 contractors to ensure timely project completion
- Collaborated with project managers to clarify training sample guidelines to guide end product quality

## EDUCATION

App Academy - 1000-hour immersive software 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