

Maxwell Fong - Software Engineer

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SKILLS JavaScript, TypeScript, React, Python, HTML, CSS, MySQL, Postgresql, Node.js, Ruby on Rails, C++, Rust

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 merge conflicts by initiating distributed git merge workflow, shortening total resolve time to two hours

Pathfinding 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

Computer Science Expert for AI Training

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
- Selected among top 5% of participants to perform QA on colleagues' grading responses to refine project guidelines

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

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