

# Maxwell Rosenberg

Software Engineer

## Relevant Experience

- Jan-Aug 2022 **Software Engineer - Risk Management**, *LibreMax Capital LLC*, New York
- Spearheaded the creation of new tools using **React with hooks** and **TypeScript** to create sleek, fast, and maintainable user interfaces for traders and analysts to perform tasks related to trading, analysis, accounting, and other core functionalities of the firm
  - Planned, initiated, and completed the transition away from an R Shiny web app with overly-complex and unmaintainable React integrations toward a first class React app, resulting in an **enhanced UI/UX**, **improved maintainability**, and a **500% faster build time**, as well as enabling **faster deployments and bug fixes** in an application where quick fixes are crucial to the success of the stakeholders
  - Mentored, taught, and worked with other colleagues in improving their abilities with React and TypeScript, greatly improving the overall velocity of contributions from the full stack team to the front end
  - Developed **Python** and **SQL** code for our **Flask** codebase and related back end infrastructure, creating and maintaining reliable, fast, and asynchronous back end infrastructure, as well as to perform data analysis
- Jun-Dec 2021 **Software Engineer**, *YibanChen*, Remote
- Designed and built the web interface of YibanChen using React and TypeScript, as well as back end services running on **NodeJS** and **Express**
  - Integrated our service with IPFS and wrote comprehensive documentation for both the product and YibanChen's public-facing API
  - Played a crucial role in creating a minimal viable product and eventually securing a funding grant from the Web3 Foundation and offers from venture capital firms
- Jan-Jun 2021 **Full Stack Web Developer**, *TableAgent*, Remote
- Completed a variety of development projects for TableAgent, a web service offering restaurants a reservation booking and management system
- Developed a public API for POS companies and other parties to utilize TableAgent's reservation system, created with **Django** and **Django REST Framework**
  - Created an embeddable customizable reservation form using **Vue** to allow restaurant customers to book reservations in the restaurant's site using TableAgent's service
- 2019-2020 **Freelance Work**, *Self-Employed*, Remote
- Completed several freelance web applications for different customers while enrolled at Reed, mostly built with Python and React.

## Education

2016-2020 **B.A. Computer Science**, *Reed College*, Portland, OR

## Thesis

Title *Odd One Out: Learning Taxonomic Embeddings from WordNet*

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