

Ray Chu

- JUNIOR FRONT END ENGINEER -

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EDUCATION

Borough Of Manhattan Community College - Dual Enrollment

SEP 2022 - PRESENT

- Completed College Coursework as a dual-enrolled student with a **3.65** GPA

Manhattan Early College School for Advertising

SEP 2021 - PRESENT

- Pursuing a career and technical education endorsed diploma in Media and Advertising
- Adobe certified professional in visual design using Adobe Photoshop

EXPERIENCE

Junior Front End Engineer - Unlevered

SEP 2024 - PRESENT

- Enhanced API requests, by reducing redundant API calls by **57%** which resulted in over **2.33x** improvement in content loading speeds, through implementing effective API response handling.
- Oversaw the re-development of the front-end user interface during the development phase by taking charge of over **64%** of new Figma page designs and contributing to the development of **84%** of all user flows.
- Collaborated with back-end engineers to integrate various RESTful APIs, including AI-driven large language models, SEC data, and financial analysis APIs, seamlessly transforming JSON responses into dynamic and interactive user interfaces using React 18.

Front End Engineer Intern - Unlevered

JUL 2024 - SEP 2024

- Leveraged state management libraries such as MobX to decrease content load times by **700ms** while navigating throughout the app, enhancing the overall UX design
- Worked closely with back-end engineers to transfer data securely from the front end to the back end by implementing form validation for over **60** different complex data inputs, and integrating security measures to prevent Cross-Site Request Forgery (CSRF) attacks, effectively achieving **0** security breaches
- Increased accessibility scores throughout the entire application by an average of **13.3%** through implementation of ARIA properties which comply with WCAG 2.1 standards.

Digital Marketing Intern - Pull.City

MAR 2023 - APR 2023

- Developed an optimized landing page for a Google Ads campaign that prioritized on the overall UI and UX design aimed to minimize bounce rates.
- Effectively reached the intended target audience by launching a Google Ads campaign tailored to specific neighborhoods, reaching over **350** unique users' search engine results page.
- Optimized the estimated performance metrics of a Google Ads campaign by reducing the cost-per-click by **26.9%** and increasing the estimated click-through rate by **172.9%**, through strategic SEO practices, keyword optimization, and enhancing headlines and descriptions.

PROJECTS

Co-Founder - Advyna

OCT 2024 - PRESENT

- Collaborating with **1** back-end engineer working at Accenture to develop a software as a service platform, utilizing Generative AI, to help customers feel confident and inspired by their wardrobe choices

Front-End Developer - CodeGenius

JUN 2024 - JUL 2024

Tech Stack | Typescript, ReactJS, NextJS, Tailwind CSS, GSAP

- Wireframed **8** landing page components using Figma and built them out using ReactJS and incorporated GSAP for seamless animations

Full Stack Developer - JobReach

APR 2024 - JUN 2024

Tech Stack | ReactJS, NextJS, Material UI, Tailwind CSS, Framer Motion, MongoDB

- Wireframed **12** web design pages using Figma, then developed them into fully functional pages using NextJS
- Integrated a public image API that retrieves images based on room titles, and produced a REST API with **7** unique endpoints, supporting a range of HTTP methods such as GET, POST, and PUT for managing data
- Implemented Vercel analytics and speed insights which demonstrated the Largest Contentful Paint (LCP) time of **0.64** seconds for optimized user experience.

TECHNICAL SKILLS

• HTML • CSS • Javascript • Typescript • ReactJS • NextJS • MobX • Firebase • MongoDB • TailwindCSS • Material UI • Framer Motion • GSAP • Rest API's • Figma • AWS • GitHub