

Freddy C. Mok Ho

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EDUCATION

Brooklyn College

Bachelor of Computer Science, Dec 2023

- **Relevant Coursework:** Data Structures, Analysis of Algorithms, Programming Paradigms in C++, Human and Computer Interaction, Game Design

TECHNICAL SKILLS

Languages: JavaScript, Java, Python, C++, SQL (Postgres)

Web-development: HTML5, CSS3, React, Node.js/Express.js, Mongoose, Redux, Firebase, MongoDB, Netlify

Software & Tools: Git, Linux, Figma, VSCode

EXPERIENCE

New York City Department of Transportation

Web Developer (Full-Time)

New York, NY
April 2025- Present

Tech Stack: HTML, CSS, JavaScript, Jira, Git, Adobe Dreamweaver, Adobe Photoshop

- Maintain and update [NYC DOT's](#) public-facing websites using HTML, CSS, and JavaScript to support citywide communications.
- Collaborate with internal departments to develop and publish web content for agency initiatives and public outreach.
- Create and optimize new web pages and graphics aligned with accessibility and SEO best practices.
- Support UI/UX improvements and implement feedback to enhance the user experience.

Battery Park City Residential LLC

Software Engineer (Contract)

New York, NY
April 2024 - April 2025

Tech Stack: React.js, Tailwind CSS, Node.js, Express.js, MongoDB, Redux Toolkit, JWT (JSON Web Tokens), Git, Firebase, and Google OAuth

- Develop a [real estate marketplace](#) using React.js, Node.js, Express.js, and MongoDB, integrating advanced features like JWT authentication and Firebase to ensure enhanced user security and satisfaction.
- Design and implement user-friendly functionalities, including image uploads, property management tools, and advanced search capabilities, boosting user engagement and satisfaction by 50%.
- Leverage Redux Toolkit for efficient state management, optimizing application performance to accommodate a 65% increase in user demands.
- Deploy the application on the Render platform, ensuring high availability and reliability. This will contribute to a 10% increase in sales and a 20% improvement in customer retention.

Diskko

Software Engineer (Contract)

New York, NY
June 2023 - April 2024

Tech Stack: React, Three.js, Node.js, MongoDB, Valtio, and Git

- Optimized web conversion tools and improved UX/UI design using React.js, resulting in a 6% increase in online sales and an 11% reduction in bounce rates, supported by A/B testing and Google Analytics monitoring.
- Increased online sales by 12% and user engagement by 15% by deploying a [3D shirt customization](#) feature using Three.js for 3D modeling and Valtio for state management.
- Adopted a mobile-first design approach, improving website performance and user experience across devices, leading to a 40% increase in mobile user satisfaction.
- Practiced Agile methodologies, enhancing team collaboration and communication, resulting in a 20% increase in project efficiency and improved deliverable quality.

Class Helper Platform

Full Stack Engineer (Personal Project)

December 2023

- Conceptualized and developed a [web platform](#) to help college students find and connect with classmates using class IDs.
- Implemented user profiles with social media connections (WhatsApp, GitHub) and professor ratings (Rate My Professor) for better networking.
- Designed wireframes and prototypes, focusing on usability and accessibility.
- Held bi-weekly meetings to review project progress and conduct experimental testing, ensuring continuous improvement of the platform.