

Freddy C. Mok Ho

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EDUCATION

Brooklyn College – City University of New York

Bachelor of Computer Science

Brooklyn, NY

December 2023

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

EXPERIENCE

Battery Park City Residential LLC

Software Engineer (Part-Time)

New York, NY

April 2024 - Present

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

- Develop a [real estate marketplace](#) leveraging React.js, Node.js, Express.js, and MongoDB, incorporating JWT authentication and Firebase for enhanced security and a seamless user experience
- Create and integrate user-friendly features, including image upload functionality, property management tools, and advanced search capabilities, resulting in a 50% increase in user engagement and satisfaction
- Leverage Redux Toolkit to streamline state management, enhancing application performance to support a 65% rise in user demand
- Implement application deployment on Render, ensuring optimal performance and reliability and contributing to a 10% increase in sales and a 20% increase in customer retention

Diskko

Software Engineer (Part-Time)

New York, NY

June 2023 - June 2024

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

- Optimized web conversion tools and enhanced UX/UI design using React.js, leading to a 6% increase in online sales and an 11% reduction in bounce rates, supported by A/B testing and Google Analytics
- Increased online sales by 12% and user engagement by 15% through the deployment of a [3D shirt customization](#) feature using Three.js for 3D modeling and Valtio for state management
- Employed a mobile-first design approach to improve website performance and user experience, achieving a 40% boost in mobile user satisfaction
- Adopted Agile methodologies to foster better team collaboration and communication, resulting in a 20% boost in project efficiency and a significant improvement in deliverable quality

PROJECTS & CERTIFICATION

Class Helper Platform

December 2023

- Designed and built a [web platform](#) to facilitate college students in finding and connecting with classmates through class IDs, enhancing peer networking and collaboration within the academic community
- Created and integrated user profile features such as social media connections (WhatsApp, GitHub) and professor ratings (Rate My Professor), boosting networking opportunities and user interaction
- Designed wireframes and prototypes with an emphasis on usability and accessibility, ensuring an inclusive and intuitive user experience
- Organized and led bi-weekly progress meetings and experimental testing sessions, contributing to regular platform improvements and optimized performance

EverUp Micro-Credential in Software Engineering by CUNY and The New York Jobs CEO Council

February 2022

- Enhanced expertise in web technologies including HTML, CSS, JavaScript, React.js, Node.js, and MongoDB by working on hands-on projects and completing relevant assignments
- Implemented advanced design techniques, including Flexbox layouts and CSS animations, to develop responsive and visually appealing web applications, enhancing user experience and engagement
- Applied advanced JavaScript fundamentals, such as DOM manipulation, event handling, and asynchronous programming, in diverse projects and practical exercises to build dynamic and interactive web applications
- Developed a [portfolio of projects](#) showcasing advanced skills and understanding of modern web development concepts

TECHNICAL SKILLS

Software Tools: JavaScript, Java, Python, C++, SQL (Postgres), React, HTML5, CSS3, Tailwind, Bootstrap, Node.js, Express.js, Mongoose, MongoDB, Redux, Firebase, Git, Linux, Netlify, Figma, Microsoft Office (Excel, Word, PowerPoint)

Language: Fluent in Spanish; Conversational in Cantonese

INTEREST & HOBBIES

Financial market, sports (ping pong, badminton, basketball, volleyball), hiking, tech news