

# HONGJIN QUAN

New York, NY | 914-804-6120 | [hq48@cornell.edu](mailto:hq48@cornell.edu) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## EDUCATION

Cornell Tech (Cornell University), New York, NY

August 2023 - May 2025

*Jacobs Technion-Cornell Dual Master of Science Degrees – Information Technology* | Merit Scholarship

Coursework: Data Structure and Algorithm, HCI design, Applied Machine Learning, Building Startup Systems

Technion - Israel Institute of Technology

August 2019 - August 2023

*Bachelor of Science in Chemical Engineering* | GPA: 3.8

## TECHNICAL SKILLS

**Coding Languages:** Python, Java, C++, JavaScript, TypeScript, HTML/CSS, MySQL

**Operating Systems:** Windows, UNIX, Linux

**Other Tools:** React.js, Next.js, Node.js, Express, Tailwind CSS, Swift, AWS, MongoDB, PostgreSQL, Git

## EXPERIENCE

[Weill Cornell Medicine](#) | **APIs, Node.js, MongoDB, HTML/CSS/JavaScript, SwiftUI**

November 2023 - Present

Software Development Intern

New York

- Developed an admin panel for the IOS Attuned application to offer LGBTQ+ users free voice training lessons.
- Led a major redesign project for the application using **HTML/CSS/JavaScript**, focusing on enhancing user experience and visual appeal with **Figma**, resulting in a **40% increase** in user engagement and a significant reduction in customer support inquiries.
- Designed and managed features such as User Profiles, Lesson Offerings, and customizable Notifications, contributing to a versatile and dynamic user experience.
- Optimized backend **Node.js** APIs that improved performance and reliability by **70% faster**, ensuring efficient data handling and seamless integration with the **MongoDB** database.

[Scholarship Auditions](#) | **React, RESTful API, PostgreSQL, AWS RDS**

September 2023 – November 2023

Full Stack Development Intern

New York (Remote)

- Led the development of the "AmericanBandDad" website from scratch, a platform designed to seamlessly integrate a quiz app, two web games, and music podcasts for American Dads.
- Built the website's front-end using **React** for Parallax Homepage, interactive Quiz App, webpage Games, and Newsletter Signup Form.
- Leveraged multiple **RESTful APIs** to fetch data for quiz questions and podcast resources and used **Redux** to update user information and quiz scores.
- Built **PostgreSQL** database with podcast, music, and score tables then participated in deploying it via **AWS RDS**.

[Hubu Technology](#) | **HTML/CSS/JavaScript, Bootstrap, AJAX**

May 2022 - August 2022

Frontend Development Intern

Shanghai

- Participated in web front-end development by transforming UI renderings into standard web production using **HTML/CSS** for **15** web pages and **JavaScript** for interactive login pages.
- Implemented responsive Navbar, Dropdown, Forms, Buttons, Carousel, and Footers across various devices using Bootstrap, along with dynamic color-changing Login Forms, enhancing user satisfaction and accessibility.
- Created **AJAX** requests using JavaScript to connect Django backend allowing for asynchronous data exchanges between the client and server. Boosted sales revenue by **42%** by enhancing search capabilities and user experience.

## PROJECT

[Full Stack Real-time Messenger](#) | **Next.js 13, TypeScript, Tailwind CSS, Prisma, Pusher, MongoDB, JWT**

- Adopted **Next.js 13** as the foundation, ensuring server-side rendering for **React** applications, thereby boosting performance and SEO capabilities.
- Crafted a modern, responsive user interface utilizing React. Further refined aesthetics and user experience leveraging the power of **Tailwind CSS**.
- Integrated **Prisma** as the go-to database toolkit, establishing seamless interactions with **MongoDB**, ensuring efficient data operations, and **Pusher** is applied to deliver real-time messages.
- Integrated Google and GitHub **JSON Web Tokens** with the backend to validate and manage user sessions, ensuring a secure communication environment.

[Step Counter Application](#) | **React Native, Java, HealthKit APIs, Firebase**

- Leveraged **React Native** components and animations, boosting the application's visual allure and functional ease.
- Seamlessly integrated with **HealthKit APIs** and **Java** backend to fetch and sync user health data. Instituted rigorous error handling and data validation processes to uphold data reliability and integrity.
- Incorporated **Firebase** to manage user authentication and data storage, ensuring a robust, secure, and scalable data management environment.