HONGJIN QUAN

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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
- 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.

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.