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| GPA: 3.5
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:	Node.js, Django, React, Tailwind, RESTful API, AWS, MongoDB, PostgreSQL, Git

EXPERIENCE

Weill Cornell Medicine | Swift, Node.js, MongoDB, HTML/CSS/JavaScript   November 2023 - Present
Software Development Intern   New York
- Participate in the development of IOS application "Attuned", which provides free training lessons for LGBTQ+ users to transform their voices as needed.
- Use **Swift** to create main navigation and interactive buttons, while displaying tutorials and other web content using **JavaScript**.
- Led a major redesign project for the application using **Figma**, focusing on enhancing user experience and visual appeal. Successfully transformed the interface to be more intuitive and aesthetically pleasing, resulting in a **40% increase** in user engagement and a significant reduction in customer support inquiries.
- Perform unit tests for individual components or functions to identify memory leaks, infinite loops that cause the app to freeze.
- Optimized multiple API interactions for improved performance and reliability to **70% faster**, ensuring smooth user experience even under high traffic.

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 dynamic course offering platform designed to seamlessly integrate podcasts, games, and music courses, delivering a holistic and engaging user experience.
- Architected and executed the website's front end using **React**, ensuring a responsive and interactive interface suitable for diverse content types, including podcasts, quizzes, and newsletter components.
- Leveraged multiple **RESTful APIs** to fetch data for quiz questions and podcast resecures, used **Redux** to update overall user information and quiz scores.
- Built and connected **PostgreSQL** database to store podcast and music data and deploy the website via **AWS RDS.**

Hubu Technology | Django, MySQL, AJAX, HTML/CSS/JavaScript   May 2022 - August 2022
Frontend Development Intern   Shanghai
- Spearheaded the design and implementation of an AI photo-generating and sharing website.
- Participated in web front-end development by transforming UI renderings into standard web production using HTML/CSS for more than **20** static pages and **JavaScript** for sharing and plugin integrations.
- Implemented responsive web design principles to ensure consistent functionality and appearance across various devices, enhancing user satisfaction and accessibility.
- Created **AJAX** requests using JavaScript to connect **Django** allowings for asynchronous data exchanges between the client and server. Boosted sales revenue by **42%** by enhancing search capabilities and user experience.

PROJECTS

Full Stack Real-time Messenger | Next.js 13, TypeScript, Tailwind CSS, Prisma, Pusher, MongoDB   Summer 2023
- Spearheaded the development of a real-time messaging application, aiming to offer users an intuitive, responsive, and high-performance chat experience.
- 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.