



# NG YI XUAN

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## EDUCATION

<b>National University of Singapore</b>	2023.08 - 2024.12
Master of Computing (General Track) Master School Of Computing	Singapore
Courses: Computer System And Applications, Data Structures And Algorithms	
<b>Communication University of China</b>	2019.09 - 2023.06
Bachelor of Digital Media Art (Network and Smart Media Design) Bachelor School of Animation and Digital Art	Beijing, China
Courses: Information Visualization Design, Natural Interaction Design and Creative Practice	

## PROFESSIONAL EXPERIENCE

<b>Quantum3 Labs Pte. Ltd</b>	2024.01 - Present
Web3 Full Stack Developer Intern	Singapore
<ul style="list-style-type: none"><li>Responsible for using the Apollo Client library to construct and maintain GraphQL queries with parameters, utilizing useQuery to share the returned data objects with custom UI components.</li><li>Optimized API calls and data management by wrapping custom hooks with TanStack Query, ensuring efficient data retrieval and cache management through configuration of query keys, query functions, enable states, and data expiration settings.</li><li>Migrated Web3 libraries (Wagmi, Viem, RainbowKit, TanStack Query) from older versions to the latest versions, ensuring improved performance and functionality.</li><li>Implemented and maintained API endpoints in NestJS to support user subscription features on the official website, and integrated an email service to send subscription information to users' email addresses.</li><li>Participated in the development and prototyping process for the company's official website and DeFi lending platform, flexibly switching between multiple active projects, and contributed to the Starknet <a href="#">Onlydust community</a>.</li></ul>	
<b>Beijing KingLead Education Technology Co., Ltd.</b>	2023.12 - 2024.01
Frontend Intern	China
<ul style="list-style-type: none"><li>Utilized PHP and HTML to implement dynamic page integration, developed efficient and responsive official website pages based on UI prototype designs, and deployed the updated pages to the server.</li></ul>	
<b>Beijing Zhongjia Interactive Entertainment Co., Ltd.,</b>	2022.05 - 2023.05
Uniapp Front-End Intern	China
<ul style="list-style-type: none"><li>Responsible for developing and maintaining the frontend of a WeChat mini-program for Murder Mystery games, designed reusable components using Vue.js, implemented responsive UI with the uView UI component library and TailwindCSS framework, and provided a smooth pull-to-refresh and scrolling experience through third-party libraries like mescroll-uni.</li><li>Encapsulated HTTP requests compatible with the uni.request environment, supporting configuration management, interceptors, platform-specific features, and file operations; managed user login states and notification settings through Vuex and persisted these settings via local storage.</li><li>Used the Vue Vben Admin frontend framework to refactor and migrate the internal management system from Vue2 to Vue3, completed data interaction with the backend, and provided access permissions for administrators and regular employees based on user roles.</li></ul>	

## PROJECT EXPERIENCE

<b>Stormbit – P2P Lending Platform</b>	2024.02 - 2024.07
Github: <a href="https://github.com/Quantum3-Labs/stormbit-ui">https://github.com/Quantum3-Labs/stormbit-ui</a>	
Stormbit is an advanced peer-to-peer lending platform that seamlessly integrates traditional financial systems with innovative cryptocurrency markets. Utilizing blockchain technology, Stormbit offers unique lending options such as undercollateralized, NFT-backed, and fully customizable loans.	
Tech Stack: React, Next.js, TypeScript, TailwindCSS, Hardhat, Solidity	
<b>RateCorner – NUS Course Evaluation Website</b>	2024.02 - 2024.06
Website Link: <a href="https://ratecorner.org/">https://ratecorner.org/</a>	

We developed a course evaluation platform for NUS students to freely publish, browse, and manage course evaluation. This helps current students gain a more comprehensive understanding of their department's course information and evaluations from former students, enabling them to select courses that better fit their interests and career development.

Tech Stack: React, TypeScript, TailwindCSS, Java, MySQL

#### **FootyDAO – Web3 football event APP**

2023.08 - 2023.12

Website Link: <https://footydao.xyz/>

We developed a mobile and web application with React and Tailwind CSS which enables cryptocurrency users to participate in football games organized by FootyDAO at various Ethereum conferences worldwide. To enhance the user experience on the website, we provide opportunities for engagement, user can also explore and stay up-to-date with the latest football events, including upcoming matches

Tech Stack: React, Next.js, TypeScript, Foundry

### **SKILLS LIST**

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HTML5, CSS3, Javascript, Typescript, Vue.js, React, Next.js, Java, Python, PostgreSQL, MySQL, Nest.js, UI/UX, Figma, Adobe Photoshop, Adobe Illustrator

### **HONORS & AWARDS**

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First Prize in the Peking University Digital Media Design Competition	2023
Grand Prize in the 12th National College Students E-commerce "Innovation, Creativity, and Entrepreneurship" Challenge	2022
Second Prize in the 5th National College Students Mathematics Competition Online Challenge	2022
Second Prize in the 17th "Citi Cup" Financial Innovation Application Competition	2022
Third Prize in the New Engineering Innovation Competition Finals	2022
Excellence Award in the School Selection Competition of the 7th China International "Internet+" College Students Innovation and Entrepreneurship Competition at Communication University of China	2021