

Yinze Liu

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EDUCATION

- **Monash University** Melbourne, Australia
Master of Information Technology Sep. 2018 – Nov. 2020
- **Dalian University of Technology** Dalian, China
Bachelor of Engineering in Industrial Design Sep. 2013 – Jun. 2017

EXPERIENCE

- **Senior Frontend Engineer** Hangzhou, China
Hithink RoyalFlush Information Network Co., Ltd. Jul. 2023 - Nov. 2023
 - Created a **BFF** application with **Node.js** to output base64 images generated with **Canvas**, providing stable **APIs** with **Docker** for over 10 frontend projects .
 - Contributed to constructing an internal React-based UI component library with **TypeScript**, implementing **Jest** unit testing to enhance extensibility, and achieving a **50%** reduction in regression testing time.
 - Reviewed requirements with product managers, proposed UI/UX enhancements for improved user experience with designers, formulated development plans, addressed online issues, and completed **20+** mobile features by **Hybrid** development approach in an **Agile** environment working with **Scrum**.
- **Mid-Senior Software Engineer** Shanghai, China
Shanghai Wupen Universe Technology Software Co., Ltd. Dec. 2021 - Jun. 2023
 - Developed and lanuched a community platform for spatial planing students to learn, discuss and participate in National Design Competition with maximum daily PV exceeding **10000**. Implemented and maintained front-end with **Nuxt.js** for better **SEO** and created **RESTful Api** to integrate with **Django** and **postgreSQL** backend. Link : wupen.org
 - Led a four-person frontend team, overseeing weekly tasks and **Code Reviews**, and standardizing coding styles with the configuration of **ESLint** and **Prettier** to enhance project maintainability.
 - Optimized the bundling process and its outcomes with **Webpack**, incorporating techniques such as **lazy loading**, **CDN integration**, and **Code splitting**, leading to a 5M reduction in file size and a **4-second** improvement in homepage rendering time.
 - Solely Designed and developed a scene to showcase the graduation projects of the design school in a virtual 3D exhibition hall with high performance. The project utilizes **three.js** and **cannon.js** for simulating the real world, employs **Blender** with **Shader** for model construction and rendering, and incorporates **OOP** principles.
 - Configured a pipeline, utilized **GitLab** to achieve frontend multi-environment (production and development) **CI/CD** automated deployment, ensuring environment isolation and enhancing deployment efficiency.
- **Junior Frontend Engineer** Shanghai, China
Shuli Information Technology Co., Ltd. Dec. 2020 - Nov. 2021
 - Engaged in the construction and development of more than 10 management or SaaS platforms with **React** and **Vue** , incorporating extensive data visualization using **ECharts**, **D3.js**, and **Mapbox**.
 - Deployed projects on Linux with **Nginx** for web serving, managed Node processes with **PM2**, and streamlined deployment with a shell script, reducing the complexity of the process.
 - Built a Vue-based frontend framework with varied environment-specific **Webpack** configurations (**Babel**, **ESLint**, **Sass**, etc.), encapsulated **GraphQL** and **Axios**, organized common utility functions, deploying it across six similar projects.

PROJECTS

- **SECRET ROOM**: Built a multi-user chat application with **Flutter** and **WebRTC**, leveraging the **Agora SDK** for real-time communication, and utilized **Firebase** for data storage, deployed on both **iOS** and **Android** platforms.
- **NOTION-COPY**: Designed and developed a Notion-like web application utilizing **Next.js** and **Tailwind**, integrated **Convex** and **Clerk** for efficient database management and authentication, and deployed the project with Vercel. Link : <https://lyz-notion.vercel.app>

PROGRAMMING SKILLS

- **Languages**: JavaScript/Typescript, HTML, CSS, Python, Bash, SQL, Dart
- **Frameworks/Library**: Vue, Nuxt.js, React, Nextjs, Redux, Flutter, CSS/Bootstrap/Tailwind, Node.js, Express, Django, Jest, MongoDB, Postgresql, Git, Docker, Nginx, fireBase, Figma, three.js, Sketch, Blender