# Yinze Liu

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## EDUCATION

- **Monash University**
  *Master of Information Technology*
  Melbourne, Australia
  *Sep. 2018 – Nov. 2020*

- **Dalian University of Technology**
  *Bachelor of Engineering in Industrial Design*
  Dalian, China
  *Sep. 2013 – Jun. 2017*

## EXPERIENCE

- **Senior Frontend Engineer**
  *Hithink RoyalFlush Information Network Co., Ltd.*
  Hangzhou, China
  *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 Wupen Universe Technology Software Co., Ltd.*
  Shanghai, China
  *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.
  - 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**
  *Shuli Information Technology Co., Ltd.*
  Shanghai, China
  *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

- **Chat With Pdf**: A tool built with **Next.js** that integrates **OpenAI** API for conversing with PDF documents. Utilizing **PostgreSQL** as a database, **Vector DB** for dataset storage , **Amazon S3** for file storage, and Tailwind CSS to create a responsive layout. Link :chatwithpdf.liuyinze.online

- **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. Link : notion.liuyinze.online

## 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