

Sean Zhou

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Github: <https://github.com/xiaoShuZhou> | Website: <https://studyhub-tx0f.onrender.com/>

EDUCATION

University of Helsinki (Full Scholarship)

Master of Science in Computer Science, 2022-2024

University of Oulu (Nanjing Institute of Technology cooperative)

Bachelor of Software Engineering, 2018-2022

Bachelor of Science in Information Processing Science, 2018-2022

PROJECTS

FullStack StudyHub Website (React, Express, MongoDB)

- Frontend: <https://github.com/xiaoShuZhou/StudyHubFrontend>
- Backend: <https://github.com/xiaoShuZhou/StudyHubBackend>
- Architecture: A JavaScript full-stack project. React.js for the frontend and Express.js for the backend
- Functionalities: User login and registration. Blog check, post, delete, and update. Global search
- State Management: using useContext API instead of putting states on root component or using redux
- All clouds: images, data, and code are hosted on Cloudinary, MongoDB cloud, and Render server

Python Learning Community Website (Vue, Django, MySQL)

- The website was designed with front-end and back-end separation architecture. Django was used as the back-end framework and Vue was used as the front-end engineering framework
- Restful API Framework was used to serialize Python objects to JSON data to complete the front-end and back-end data exchange
- MySQL was used to store data and Django-ORM was used to add, delete, update, and read data

Campus Second-hand Trading Website (JSP, Spring Boot, PostgreSQL)

- Developed a dynamic webpage to view and modify data using the JSP
- The backend was developed by using Spring Boot, following the three-layer architecture of controller API, service, and Mybatis-DAO
- PostgreSQL was used to store data and hibernate was used to implement JPA and manipulate data

EXPERIENCE

Full Stack Developer Intern

Shenzhen Xunfang Technology Co., LTD.

Aug 2021 – Jan 2022

- Frontend Transition: Contributing to the transition from Vue to React, refactoring parts of the codebase to ensure smooth integration and improved maintainability.
- Component Development: Participated in the shift away from the LayUI component library by crafting custom components to better align with the company's unique requirements and branding.
- Backend Integration: Contributed to the establishment of Restful APIs, ensuring seamless communication between the frontend and backend systems.

Software Engineer Intern

Nanjing Tongdahai Information Technology Co., LTD.

June 2021 – July 2021

- Contributed to a product prototype in a scrum team as a developer, participating in twice-weekly sprint online meetings
- Modernized an existing internal system feature, including a redesign of the UI
- Developed React components, including buttons and a navigation
- Participated in the design of UML diagrams and use case diagrams of other modules, such as personal setting and user account management modules

Technologies and Languages

- Java, JavaScript, Python, Node.js, SQL, HTML, CSS
- React, Vue, Spring Boot, Django, Express, PostgreSQL, MySQL, Docker, Git, Linux