

# Sean Zhou

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

## EDUCATION

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### 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

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### 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

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### Software Engineer Intern

Nanjing Tongdahai Information Technology Co., LTD. July 2021 – Aug 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

### Software Requirement Engineer Intern

Nanjing Cloud Ant Technology Co., LTD. July 2020 – Aug 2020

- Requirements elicitation: had conversations with the customers and guided them to properly articulate their requirements
- Wrote user requirements documentation: wrote detailed requirements documentation for each project, including user story, functional requirements, and non-functional requirements
- Communicated between users and developers: communicated those changes to the developers when the customer's requirements changed

## Technologies and Languages

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