

Sean Zhou

0414930501 | zhouxinyuan0118@outlook.com

EDUCATION

University of Helsinki (Full Scholarship)

Master of Science in Computer Science, 2024

University of Oulu (Nanjing Institute of Technology cooperative)

Bachelor of Software Engineering, 2022

Bachelor of Science in Information Processing Science, 2022

EXPERIENCE

Software Engineer Intern

Nanjing Tongdaihai 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

PROJECTS

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

PhoneBook Website (React, Express, MongoDB)

- It is a JavaScript full-stack project because React.js was used to develop the frontend and Express.js was used to develop the backend API
- The backend provided a set of RESTful HTTP APIs including GET, PUT, PUSH, and DELETE
- MongoDB was used to store data and mongoose was used to manipulate 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
- The website was deployed to a Microsoft Azure Linux server for public access

Technologies and Languages

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