

Boyu Yang

SOFTWARE DEVELOPMENT ENGINEER

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Skills

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|--------------------|--|
| DevOps | AWS, Docker, Google Cloud, Firebase, CI/CD |
| Back-end | Nest.JS, Express, SpringBoot, REST API, SQL, NoSQL |
| Front-end | Vue, Vuex, React, React-Native, HTML5&CSS |
| Programming | Node.js, Python, JAVA, Swift, TypeScript, Bash, Haskell, C/C++ |
| Interests | UI/UX Design, Mobile Development, Design Cloud Apps |

Experience

Teaching and Learning Team, UCL Computer Science

London, United Kingdom

Software Engineer Internship

May. 2022 - Present

- Designed and implemented a full-stack web application for managing postgraduate teaching assistant(TA) recruitment.
- System used by all professors in UCL Computer Science and more than 300 TAs, helps to improve the recruitment process and speed.
- Drawed wireframe of the overall system using Figma, cooperated with UCL app project manager to meet demand
- Designed ER Diagram of backend data structure, Meet with a mentor to improve the efficiency of database
- Implemented an efficient and sustainable backend infrastructure based on Nest.js microservices

CommnRoom, Ltd

UCL BaseKX, United Kingdom

iOS Team Leader & Software Engineer

Apr. 2022 - Present

- Designed and implemented iOS App for UCL sponsored start-up.
- Development a standalone Swift version of iOS app to improve user experience for future need. A MVP is produced within 2 month
- Helps migrate the existing React-Native codebase from JavaScript tp TypeScript, improved more than 50% of development efficiency.
- Built and deployed overall service infrastructure utilizing Docker container, CircleCI, and amazon ECS, focusing on high-availability, fault tolerance, and auto-scaling.

Beijing Zhizhangyi Technology co., ltd

Beijing, China

Backend Java Developer

June. 2021 - Sept. 2021

- Served as the test team leader to profile and test the functionality of the software library.
- Lead the development of an open-resource software testing framework, which helps to reduce 10% amount of development time.
- Responsible for the preliminary technical research work, research the technical work of cross-language communication implementation, writing 2 research reports which cover over 60% knowledge of future development.

Projects

Little Nudge App

London, United Kingdom

iOS Developer | React-Native • TypeScript • Firebase | 🏠 Little Nudge

May. 2022 - Present

- Help the team to migrate from the original relational database to the NoSQL database to improve the development efficiency of 20%.
- Proposed and designed new backend infrastructure on firebase based on business needs.

Logic Teaching Software

London, United Kingdom

Open Resource Team Project | PyQt5 • Python | 🐞 LogicShark Software

Feb. 2022 - PRESENT

- Act as team leader, meet with team member to discuss the software features and write software design proposals
- Responsible for core graphic module of overall project, help other teammates to debug software and learn.

Unit Test Framework

Beijing, China

Open Resource Team Project | Java | 🐞 DongXin Test Framework

Jun. 2021 - Sept. 2021

- Gained expertise in unit testing areas, especially targeted on web application and software.
- Participated in heavy teamwork on a open-resource project.
- The testing framework saves the testing team more than 15 percent of the time

Education

UCL (University College London)

London, United Kingdom

B.S. in Computer Science

Sept. 2021 - Jun. 2024

- First Year Average Score: 73.47%