

Boyu Yang

SOFTWARE DEVELOPMENT ENGINEER

103 Camley St, London, N1C 4BN, United Kingdom

☎ (+44) 75-3461-3883 | ✉ boyu.yang.21@ucl.ac.uk | 📷 jerryyangboyu | 🌐 jerryyangboyu

Skills

DevOps	Docker, Kubernetes, CI/CD, AWS
Web Development	Vue, React, Node.js, Spring framework, GraphQL
Databases	MySQL, Postgresql, MongoDB, Redis
Languages	Node.js, Python, Java, Swift, Bash, Go, C/C++
Strength	Data Modeling, Software Development Teamwork, System Design

Experience

UCL Department of Computer Science

London, United Kingdom

Programming Tutor

Sep. 2022 - Present

- Mentor a group of first-year undergraduate students and help them develop their programming skills.

Beijing Zhizhangyi Technology co., ltd

Beijing, China

Software Engineer

June. 2021 - Sep. 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

UCL Department of Computer Science

London, United Kingdom

PGTA recruitment system | React • Node.js • MySQL • GraphQL | 🏠 PGTA System

Jun. 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.
- Designed system prototype to meet the demand of client
- Designed Database model and GraphQL schema to develop comprehensive backend API
- Implemented an event-driven microservice infrastructure

CommnRoom co., ltd

UCL BaseKX, United Kingdom

Startup Team Project | Node.js • Nest.js

May. 2022 - Sep. 2022

- Work as a full-stack lead software engineer supporting Node.js backend for UCL-sponsored startup.
- Designed and implemented a Node.js restful backend API using Nest.js framework.
- Lead the team to migrate backend tech stack from PHP Larval to Node.js.
- Built and deployed overall service infrastructure utilizing Docker container, CircleCI, and amazon ECS, focusing on high availability and auto-scaling.

UCL Department of Computer Science

London, United Kingdom

Logic Teaching Software Project | PyQt5 • Python | 🐙 LogicShark Software

Feb. 2022 - PRESENT

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

Beijing Zhizhangyi Technology co., ltd

Beijing, China

Open Resource Team Project | Java | 🐙 DongXin Test Framework

Jun. 2021 - Sep. 2021

- Gained expertise in unit testing areas, especially targeted web applications and software.
- Participated in heavy teamwork on an 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%