

# Boyu Yang

SOFTWARE DEVELOPMENT ENGINEER

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## Education

### UCL (University College London)

B.S. in Computer Science

London, United Kingdom

Sept. 2021 - Jun. 2024

## Skills

**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

### Department of Computer Science, UCL

London, United Kingdom

Software Engineer Studentship

May. 2022 - Present

- Designed and implemented a full-stack web application for managing postgraduate teaching assistant recruitment(for teaching and learning team).
- Drawed wireframe of overall system using figma, cooperated with UCL app project manager to meet demand

### CommnRoom, Ltd

UCL BaseKX, United Kingdom

iOS Team Leader & Software Engineer

Apr. 2022 - Present

- Designed and implemented iOS App to build next student platform.
- Built and deployed overall service infrastructure utilizing Docker container, CircleCI, and several AWS stack(Including EC2, ECS, Route 53, S3, CloudFront, RDS, ElastiCache, IAM), focusing on high-availability, fault tolerance, and auto-scaling.
- Developed an easy-to-use Payment module which connects to major PG(Payment Gateway) companies in Korea.

### Beijing Zhizhangyi Technology co., Ltd

Beijing, China

Backend Java Developer

June. 2021 - Sept. 2021

- Observe 3 vulnerabilities in basic services based on the company's existing SaaS service architecture, and write efftive test codes to doubled security of backend infrastructure.
- Served as the test team leader, profiling and testing the efficiency of software library.
- Lead the development of 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 and doubled the efficiency of future development work.

## Projects

### Unit Test Framework

Beijing, China

Open Resource Team Project | Java | 📷 DongXin Test Framework

Jun. 2021 - Sept. 2021

- Gained expertise in penetration testing areas, especially targeted on web application and software.
- Participated on a lot of hacking competition and won a good award.
- Held several hacking competitions non-profit, just for fun.

### Logic Teaching Software

London, United Kingdom

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

Feb. 2022 - PRESENT

- Gained expertise in hardware hacking areas from penetration testing on several devices including wireless router, smartphone, CCTV and set-top box.
- Trained wannabe hacker about hacking technique from basic to advanced and ethics for white hackers by hosting annual Hacking Camp.

### Little Nudge App

London, United Kingdom

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

May. 2022 - Present

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.