Boyu Yang

SOFTWARE DEVELOPMENT ENGINEER

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Education

UCL (University College London)   *London, United Kingdom*

B.S. in Computer Science   *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.

Extracurricular Activity

B10S (B1t 0n the Security, Underground hacker team)   *S.Korea*

github   *Nov. 2011 - PRESENT*

- 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.

WiseGuys (Hacking & Security research group)   *S.Korea*

Member   *Jun. 2012 - 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.

PoApper (Developers' Network of POSTECH)   *Pohang, S.Korea*

Core Member & President at 2013   *Jun. 2010 - Jun. 2017*

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

PLUS (Laboratory for UNIX Security in POSTECH) *Pohang, S.Korea*

Member *Sep. 2010 - Oct. 2011*

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.

MSSA (Management Strategy Club of POSTECH) *Pohang, S.Korea*

Member *Sep. 2013 - Jun. 2017*

- Gained knowledge about several business field like Management, Strategy, Financial and marketing from group study.
- Gained expertise in business strategy areas and inisght for various industry from weekly industry analysis session.