

# Yepeng Zhu / Joey

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## EDUCATION

Sep 2023 - Dec 2024	<b>Master, University of Nottingham</b> <i>Master of Science in Advanced Computer Science</i>	Nottingham, UK <b>Merit</b>
Sep 2019 - Jun 2023	<b>Bachelor, Beijing Union University</b> <i>Bachelor of engineering in Software Engineering</i>	Beijing, China <b>GPA: 83</b>

## WORK EXPERIENCE

**Intern, QA engineer / Software Engineer in Test** 07.2022-03.2023, Everbridge, Beijing

- In an agile development team leveraging the Scrum framework. Manage the testing of four major releases across both web and mobile applications. Tested portals for both inner employee and users, successfully validating **31** version updates in **8** months.
- Managed over **500** web test cases, **automated over 200** test scenarios using Selenium, significantly reduced manual testing efforts and accelerating release cycles by **25-30%**.
- Once new issues arose, worked with front-end and back-end developers to promptly resolve them, creating targeted test cases as necessary to ensure thorough validation.

## SKILLS

**Language:** Python, Go, Java, JavaScript, TypeScript, C++, HTML, CSS, SQL (Postgres, Microsoft) DB (Mongo, Dynamo).

**Frameworks:** NodeJS, React, Flask, Selenium, Automation Test, LLM, Scrum, DApps, Web3, RestAPI.

**Developer Tools:** Docker, Github, Git, AWS (EC2, ALB, Route53, S3, Lambda), DevOps, VScode, TDD, OOP, CI/CD.

**Certification:** *Ultimate AWS Certified Solutions Architect Associate 2025-Udemy*

## PROJECT EXPERIENCE

**Search desirable U.S visa interview slot.** *Python, Selenium*

- ✧ Designed and implemented an automated system using Python and Selenium to efficiently reschedule U.S visa interview slots.
- ✧ Developed and delivered in just two days, serving over 50 clients within 2 weeks and **generating £2,000+ in revenue.**

**Real-Time Notification Service.** *Go, REST API, AWS, Docker, SQL*

- ✧ Built a real-time notification system using Go. Designed RESTful APIs to support communication between the server and client-side applications.

**Scalable Forum Web Application Development.** *AWS, Python, Flask, HTML, CSS, SQL*

- ✧ Developed a web application using Flask and AWS, featuring user authentication, post creation, and real-time updates. Implemented a clear frontend using HTML and CSS.

**Vehicle manage system face to police officers.** *PHP, HTML, CSS, SQL*

- ✧ Developed a web-based system to support police operations, featuring user authentication, vehicle and person data management, incident reporting, and administrative pages.

**E-commerce Platform Web Development.** *JavaScript, React, NodeJS, SQL, AWS*

- Built dynamic and interactive user interfaces using JavaScript and React. Integrated RESTful APIs for real-time data fetching and updates. Using NodeJS to build a high performance backend.

[Using neural networks to explore path planning algorithms for robots](#) *Publication*