Amy Liang (Yi Ting Liang)

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Skills

Languages: Java, Python, SQL, HTML, CSS, JavaScript
Frameworks/Tools/Libraries: React, Spring Boot, Git, Firebase, JSON, Node.js, Bootstrap, Recharts, JQuery, Docker, .NET, Figma, Adobe
Methodologies: Agile

Education

MSc (Hons) Computer Science (2:1) Newcastle University   9/2022 – 12/2023

Java
- Designed a museum management system that empowers users to retrieve detailed information about different museums and add new ones to the system **(96/100)**
- Developed a system aims to determine for managing academic staff data in a university and performing unit testing using **JUnit (85.5/100)**

MySQL / SQL
- Designed and implemented a relational database for a food festival **(82/100)**

JavaScript / CSS / HTML / Vue.js
- Developed a functional web site to present information about The Ocean Cleanup and calculate plastic footprint **(76/100)**

Project

Tourist information site
- Leadership skills: worked as a team leader, responsible for requirements specification document and minute taking
- Developed API and testing: Developed test plans using Spring framework, employed MockMvc to simulate API requests, and validated response results

Money management website
- **React/ Firebase/ JSX/ XML/ Node.js/ bootstrap/ JQuery/ recharts**
- Functionality: Enabled transaction addition, financial data visualization, and user authentication functionalities.

Quiz application
- **Spring boot/ JPA/ Java/ SQL/ MySQL/ Post man/ RESTful API/ JSON**
- Allowed clients to select Java/Python categories and initiate respective quizzes
- Implemented ResponseEntity for effective exception handling

Weather forecast application
- **React/ Tailwind CSS / Google Font/ React-icon/ RESTful API**
- Used **OpenWeather API** to show real-time weather, allowing users to explore weather conditions in various cities through a user-friendly search feature

Certification

- Microsoft & LinkedIn - Career Essentials in Generative AI
- J.P. Morgan - Software Engineering Job Simulation (Python)
- Skyscanner - Front-End Software Engineering Job Simulation (JavaScript/React)
- Wells Fargo - Software Engineering Job Simulation (Java/ERD diagram)
- Accenture – Developer and Technology (Waterfall/Agile/ Uni test/ Debugging)
- Citi - ICG Technology Software Development Job Simulation (Gradle/ JavaFX)
- YouAccel – Build Calculator in React
- HackerRank – 30 Days of Java Challenges

- Google - Generative AI Fundamentals
- Microsoft & LinkedIn - Career Essentials in Generative AI
- LinkedIn - What is Generative AI

Work Experience

Web Digital Experience Coordinator/Northumbria University 3/2024 – Present
- Enhanced web applications by integrating APIs and deploying updates using JavaScript, HTML, and CSS
- Developed dynamic splash pages for key university events
- Led the management and enhancement of the CMS backend system
- Designed and implemented the website's annual update strategy by analyzing user engagement data and collaborating with marketing, resulting in a 22% increase in traffic through improved design, navigation, and targeted content

Computer Science University Ambassador/Newcastle University 6/2023 – 9/2023
- Campus Tour Guide: Demonstrated flexibility and adaptability while engaging with a diverse range of visitors, including prospective students, parents, and representatives from other universities
- Student Guidance and Mentorship: Supported new students by offering guidance on navigating their studies, settling into university life, and utilizing available resources to enhance their academic experience

Case Manager/Taipei City Employment Service Office 10/2018 – 9/2021
- Project Management: Managed a caseload of over 160 clients annually, balancing multiple cases and deadlines, which demonstrates my strong organizational and time management skills.
- Collaboration and Negotiation: Collaborated with diverse stakeholders—including clients, service providers, and team members—to maximize benefits for each case through effective negotiation.

Workshop & Conference

AI Bootcamp/Google Cloud 8/2023 - 9/2023
- Explored practical implementation of Generative AI on Google Cloud through a keynote by the Director of Data Science at Culture Amp
- Participated in a Cloud Hero Gamified Competition, applying AI skills in a collaborative and competitive setting

Version Control with Git workshop/Software Carpentry 11/2023
- Acquired practical knowledge on setting up Git for version control

Achievement

Community Associate (User Experience)/ Northern Stage Newcastle
- Improved user experience across platforms by analyzing performance, identifying pain points, and implementing feedback-driven design improvements, ensuring cultural offerings met diverse community interests

Ambassador Manager / Chinese Culture University Ambassador
- Event management: served as a receptionist and ambassador, assisted in presenting awards, at large events such as university graduation ceremonies etc

Fully Funded Overseas Internship / Eden Social Welfare Foundation (Vietnam)
- Earned the fully-funded overseas internship via a selection process. Organized activities to improve residents' social interactions at disability/nursing centers

Additional Education Background

Bachelor of Arts in Social Welfare, Chinese Culture University 9/2013 – 9/2017
- G.P.A 3.17 / Average score 75.1