

Yun Gu

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EDUCATION

Cardiff University

MSc in Software Engineering with a Professional Placement Year (expected Merit)

Cardiff
Sep 2021 – Sep 2023

Shanghai Maritime University

BEng in Electronic Information Engineering (2:1)

Shanghai
Sep 2017 – Jun 2021

WORK EXPERIENCE

UX Designer

IT Department, Cardiff University

Cardiff
Jul 2022 – Jul 2023

Development and Integration team is part of Cardiff University, aiming to deliver a better user experience for students and staff

- Conducted comprehensive user research, including **usability** testing, **accessibility** testing, surveys, and **interviews**
- Defined user flow diagrams and service blueprints, participated in steering groups and stakeholder sessions
- Implemented interaction design strategies through the creation of wireframes, prototypes, content, and UI elements
- Co-ordinated with developers and business analysts, working in an **agile** environment managed Sprint weekly
- Delivered key projects including the redesign of internal and external university management systems, new features in the Student App (e.g., Find a Library), service of external user IT requests, and contribution to Design Systems
- Strengthened proficiency in **Figma**, **Tailwind CSS**, **Scrum**, **Jira**, Miro, Maze, classic design principles and systems

Web Developer Intern

Front-end Group, 51Job

Shanghai
Jul 2020 – Sep 2020

51Job is a leading human resource solutions provider in China, providing comprehensive recruitment solutions to clients

- Designed and developed user-friendly recruiting websites and mini-programs using Sketch and Vue.js
- Communicated frequently with clients to understand specific requirements, ensuring the deliverables aligned with goals
- Enhanced expertise in **Vue.js** and Sketch, and gained beneficial experience with **TypeScript** and Adobe Creative Suite

Data Analyst Assistant Intern

Data Group, Zyllion Data

Shanghai
Feb 2020 – Apr 2020

Zyllion Data specialises in industrial big data research and development, developing China's leading industrial search engine

- Configured the web crawler algorithms to collect new valuable data for the product database of the company
- Created data visualisations to support the manager's monthly product update report to senior management
- Improved skills in Regular Expression, XPath, and **Python** for effective data extraction and analysis

PROJECTS

QR Code Navigation (ongoing)

Final Year Project of Postgraduate – Full-stack developer

Cardiff
Jul 2023 – Sep 2023

- Developed a QR code-based area navigation site, allowing organisations to create accounts and configure areas for exploration. The site offers multiple interactions and styles tailored to users' preferences and age groups
- Technologies used: Git, MySQL, Spring Boot, Spring MVC, Spring Security, Spring Data JPA, Thymeleaf, JUnit, Tailwind CSS, Google Maps API, Scrum

Web Application for a Mental Health Charity

Postgraduate Coursework – Full-stack developer

Cardiff
Nov 2021 – Apr 2022

- Collaborated within a team of five, delivering a web application for a mental health charity in an **agile** environment, utilising **GitLab** for version control
- Employed **Thymeleaf** as the frontend template, **Spring Boot** as the backend framework, and built **RESTful APIs** for CRUD operations on **MySQL** databases
- Leveraged Jenkins and Terraform for continuous integration and deployment (**CI/CD**) of the application on OpenStack
- Implemented Test-Driven Development (**TDD**) using JUnit and Selenium, conducted performance analysis using JMeter, ensuring robustness and performance

Data Visualisation App for MindWave (Brainwave Sensing Headset)

Final Year Project of Undergraduate – Android Developer

Shanghai
Feb 2021 – May 2021

- Invented an **Android** app (Java) that visualises real-time data obtained from the MindWave headset, including nine EEG power spectrums such as alpha and beta waves and NeuroSky eSense meters. The app provides two types of charts
- Adopted by the university's postgraduate researchers to enhance human-computer interaction (HCI) experiments

Employee Management System - Personal CRUD project based on **ReactJS**, **MySQL**, and **Node.JS**

More projects can be found on the [personal website](#) or [GitHub](#)

SKILLS & INTERESTS

Programming Languages: Proficient in Java, C++, JavaScript, HTML, CSS. Some experience with C#, TypeScript, Python

Libraries & Frameworks: Vue, React, Tailwind CSS, Spring boot, Thymeleaf, Next.js, Node.js, NumPy, Pandas, spaCy

Tools & Platforms: Git, Jira, Jenkins, Terraform, OpenStack, Figma

Interests: Sports (football, F1, tennis, hiking, bouldering), instruments (guitar, drums), painting, and reading