

Yun Gu

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EDUCATION

Cardiff University

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

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

- **User Research:** conducted **usability** testing, **accessibility** testing, surveys, and **interviews** with students and staff
- **Service Design:** defined user flow diagrams and blueprints, participated in steering groups and **stakeholder sessions**
- **Interaction Design:** implemented strategies through the creation of **wireframes**, **prototypes**, content, and UI elements
- **Scrum:** 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

- **Frontend Development:** developed responsive recruiting websites and mini-programs based on **Vue** and **TypeScript**
- **Web Design:** designed user-friendly websites using **Sketch** and **Adobe Creative Suite** (Adobe Illustrator, photoshop)
- **Technical Support:** communicated with clients to ensure the deliverables and provided long live technical support

Data Analyst Assistant Intern

Data Group, Zyllion Data

Shanghai

Feb 2020 – Apr 2020

- **Web Crawler:** completed the web crawler configuration in **Python** to collect new valuable data for the product database
- **Data Visualisation:** created data visualisations to support the monthly product update report to senior management

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 frameworks (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 and was 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