ZHOU FANG

Computer Science Student

(+353) 0879953293 | *zoefang@protonmail.com* | *linkedin.com/in/zhou-fang-1601572b7/*

EDUCATION

Maynooth University	September 2024 — June 2026
Msc Computer Science (Applied)	Kildare, Ireland
Maynooth University	September 2023 — June 2024
Higher Diploma in Software Development	Kildare, Ireland
University of Melbourne	September 2013 — August 2016
Bachelor of Science	Melbourne, Australia

TECHNICAL EXPERTISE

Languages: Java, JavaScript, Kotlin, SQL, Python

Developer Tools: VS Code, Eclipse, Android Studio, Intellij Idea

Frameworks: React, Jetpack Compose, Spring Boot, Express.js, Node.js

Others: MySQL, PostgreSQL, Room (SQLite), MongoDB, AWS

PROJECTS

Grocery Guardian

Feb 2025 – May 2025

- Participated in **Microsoft Mentored App Development Program**, collaborated with a 6-member team to build a food allergy detection web application
- Designed and implemented core frontend features using JavaScript
- Integrated barcode scanning and OCR workflow to extract and analyze product ingredients
- Built a receipt analysis tool with monthly allergen exposure tracking and analytics
- Implemented product classification (safe/unsafe) and manual input workflows
- **Technology stack**: JavaScript, OCR API, Open Food Facts API, Azure SQL, Git
- Presented the project to Microsoft Ireland with focus on accessibility and user-centered design

Fan Community Platform

Aug 2024 – Oct 2024

- Developed a large-scale fan-content sharing platform using WordPress, Elementor Pro, and PHP
- Enabled multimedia uploads (image, text, video, audio)

- Implemented key social features: following, likes, comments, bookmarking, personalized feed
- Developed backend logic in PHP for content sorting and user-friendly ID display
- Introduced age-restricted content control and ensured system stability under **12,000+ active users**
- Technology stack: WordPress, PHP, Elementor Pro, Ultimate Member, MySQL
- **Collaborated with a 40-member cross-functional team** (UI/UX, operations, QA) throughout the full development lifecycle, from initial design to public launch and post-release support

WORK EXPERIENCE

News Writer and Collaborator

Beijing Pepper Interactive Culture Communication Co., Ltd

Jun 2020 – Aug 2023, Nov 2016 – Dec 2017
- Created news content for "News in Britain," a WeChat Official Account ranked Top 20 nationwide in China. The founder was invited by the UK government to meet then-Prime Minister Theresa May as a Chinese media representative.
- Analyzed page views, shares, and user feedback to improve engagement
- Authored viral content that reached 20M+ views per article and appeared multiple times on Weibo's trending list, demonstrating exceptional audience impact

Founder & Shop Manager

Blue Cherry Culture Studio (self-employed)

Mar 2019 – May 2020
- Founded and ran an eCommerce fashion website targeting international markets
- Managed website development (HTML, CSS, JavaScript) and product logistics
- Executed marketing campaigns on Facebook and Instagram to boost brand visibility

Content Operator

Beijing Sankuai Online Technology Co., Ltd (Meituan)

Mar 2018 – Mar 2019
- Wrote and curated articles for Meituan's food delivery business on WeChat
- Managed 7 editorial columns on Meituan Merchant App, delivering business insights
- Developed content marketing strategies to increase user engagement
- Analyzed user metrics to inform data-driven decisions for content optimization

COURSES

Higher Diploma in Software Development:

- Databases

- Computer Systems

- Algorithms & Data Structures 1

- Algorithms & Data Structures 2

- Software Testing

- Mobile Application Development

- Structured Programming

- Web Information Processing

- Software Project

- Work Placement Preparation

- Object-Oriented Programming

MSc in Computer Science (Applied):

- Programming languages & compilers

- Computer networks

- Software engineering & software process

- Theory of computation

- Software verification

- Multimedia communications

- Machine learning & neural networks

- Parallel & distributed systems

- Artificial intelligence & language processing

- Audio & speech processing

- Computer graphics

- Advanced concepts & issues in comp.sci. 1

- Software design

- Advanced concepts in object-oriented programming

- Msc computer science (applied) project

- Requirements engineering & system design

- Practical cryptography

- Databases

- Work placement documentation

- Industrial work placement