

ZHANG ZHANG

A highly motivated MSc Computing graduate from Imperial College London with a first-class BSc in Biomedical Sciences. Proven track record of academic excellence, strong computational skills and a passion for continuous learning. Actively seeking graduate opportunities in software development.

EDUCATION

MSc Computing (Merit), Imperial College London. *Sep 2023 – Sep 2024*

Final Project: [Crypto Explorer: An Interactive Real-time Bitcoin Data Visualisation Demo for the Data Observatory at Imperial College London](#)

- Developed 5000+ lines of full-stack code in three months, implementing a robust server-client architecture with a Python server and JavaScript clients.
- Significantly improved the demo stability and efficiency by distributing rendering tasks across 12 display screens.
- Introduced advanced interactive features, providing deeper insights for research.

BSc Biomedical Sciences (First-class), University of Bristol. *Sep 2020 – Jul 2023*

Final Project: [The Impact of Diadic Subspace on L-Type Calcium Channel](#)

[Mechanisms in a Cardiocyte: A Computational Modelling Study](#)

- Developed a MATLAB model to analyse calcium dynamics in cardiocytes.
- Awarded an outstanding first-class grade of 79%.

A-LEVELS, Kunming No.1 High School International Division. *2018 – 2020*

Mathematics (A*), Physics (A*), Biology (A*), Chemistry (A*), Further Maths (A)

PROJECT EXPERIENCE

[MoodSwings: A Music-Recommendation Web App](#)

- Co-developed a Python-based web app that uses a face recognition API to detect users' emotions and recommend music accordingly within 24 hours.
- Earned the runner-up prize for newcomers at IC Hack 24, the largest student-run hackathon in Europe.

[MyNotes: A Web App for Note-taking and Deadline Management](#)

- Co-developed a web app with a Python backend and Postgres databases.
- Containerized apps with Docker and deployed as microservices on Microsoft Azure. Streamlined deployment by automating build and testing workflows.
- Acted as sole responsible person for front-end development with React.

[CityExplorer: A Web App for Travel Recommendation](#)

- Co-developed a Python-based web app, integrating multiple REST APIs.
- Used Postgres databases to store user search history and preferences.
- Earned an exceptional distinction grade of 80%.

[Chess Game Simulator](#)

- Developed a C++ program to simulate and manage chess games, implementing an object-oriented design for handling game state and move validation from Forsyth-Edwards Notation (FEN).

WORK EXPERIENCE

Bakery Chef, Gail's. *London, UK — Oct 2024 – present*

Ensure the timely preparation of over 40 types of freshly made goods while maintaining high quality standards. Communicate clearly, multitask under pressure, and manage inventory and orders to support smooth daily operations.

Commis Chef, Hoba Kebab. *Bristol, UK — Jun 2021 – Dec 2022*

As a long-serving core team member, contributed to the restaurant being featured on BBC 'Britain's Top Takeaways' in 2022 and achieving the highest delivery rating in Bristol.

Lab Assistant, Yunnan University. *China — Feb 2019 – Mar 2019*

Assisted with experimental reagent preparation in the molecular biology laboratory, contributing to a rigorous research project exploring the impact of cellular functions on reproductive aging.

CONTACT

07311733513

zhangz_12@outlook.com

LINKS

[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

SKILLS

- Languages: **C++**, **Python**, **JavaScript**, **Java**, **SQL**, **HTML**, **CSS**, **TypeScript**, **MATLAB**
- Frontend: **React**
- Backend: **RESTful API**, **Flask**, **Django**, **Fast API**
- Software Development Practices: **Agile**, **Test-Driven Development (TDD)**, **Object-Oriented Programming (OOP)**, **Design Patterns**
- Cloud Computing: **AWS**, **Azure**
- DevOps: **Docker**, **Continuous Integration/Delivery (CI/CD)**
- Version Control: **Git**
- Unit / Integration Testing
- Command Line and Scripting
- Databases
- Machine Learning
- Data Interpretation and Analysis: **IBM SPSS**
- Effective Teamwork and Communication Skills
- Excellent Problem-Solving Abilities
- Quick Learner with Strong Adaptability

AWARDS

Bristol PLUS Award (Jul 2021)

Achieved the University of Bristol's employability award in my first year. Awarded to fewer than 5% of UoB students each year.

Outstanding Cambridge Learner Award: Top in China (Nov 2016)

Sole recipient of this award for achieving the highest mark in IGCSE Maths across China.

CERTIFICATIONS

- [AWS Certified Cloud Practitioner](#)
- SkyScanner – [Software Engineering Job Simulation](#)
- SETsquared Partnership IKEEP Programme: [Intrapreneurial Training Award](#)
- [APM Student Membership](#)