Ivan Qin

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Education and Project

BSC(HONS) COMPUTER SCIENCE AND MATHEMATICS JOINT DEGREE | 24.09.2018 – 30.06.2021 | UNIVERSITY OF BRISTOL

· Major Computer Science (Current predicted grade: 1)：
  o Achieved a first-class grade in all computer science modules in first year:
    ▪ COMS10008: Imperative Programming (in **C**. Enjoy the fundamentals in C, have built few some excellent extra projects)
    ▪ COMS10006: Functional Programming (in **Haskell**. Learning the future language and more about the essence of programming)
    ▪ COMS10007: **Algorithms** (**90%** in this module which is **top 5** student in whole class (200 people), also invited to be Teaching Assistant this year)
    ▪ COMS10009: Object-Oriented Programming (in **Java**. Built a fascinating AI in the final project, also invited to be Teaching Assistant this year)
· Minor Mathematics (Current predicted grade: 2.1)：
  o Achieved a high score in most of subjects in first year:
    ▪ MATH10011: Analysis
    ▪ MATH10010: Introduction to Proofs and Group Theory (Group theory helps a lot in Cryptography)
    ▪ MATH11005: Linear Algebra and Geometry (Enjoy doing Linear Algebra, it is helpful when I self-learning knowledge about Computer Vison)
    ▪ MATH10013: Probability and Statistics (in **R Studio**)
· Other projects：
  o Github.io Blog project (in **HTML** and **CSS**)
  o Background-Calendar (in **Python Tkinter, Web**)

A-LEVEL | 01.09.2016 - 30.06.2018 | KING EDWARD VI COLLEGE, STOURBRIDGE

· Major： Math(A*), Further Math(A*), Computer Science(A)
· Minor： Chinese(A), Physics(B)
· Relevant project during A level computing study：
  o (Online shopping system in **Python** and **MySQL**)
  o (A level Computer science final project in **Python** and **PyQt5**)
    *Title: Shortest path **algorithm** research and the implement of the London metro route finder.*

GCSE (CHINESE VERSION) | 01.09.2012 - 30.06.2015 | NANJING FOREIGN LANGUAGE SCHOOL

· Over 85% in general： Including Math, English, Chinese, Physics, Chemistry, Biology, History, PE.

Technical Skills

PROGRAMMING LANGUAGE
- **Proficient**: Python, Java, C,
- **Interested**: Algorithm research, Machine Learning, Computer Vision
- **Self-taught or have done related projects**: MySQL, C++, Haskell, R studio, Golang, HTML, CSS, Tkinter, Qt(PyQt5), vb.net
- **Skilled**: Microsoft Office, Linux OS

Work experience

（INTERN）SOFTWARE DEVELOPER | INTELLIGENCE PAY, CHINA | JUNE.2019 – JULY.2019
- Assisted in building the log in system for the internal system, and create a tool for printing employee attendance schedules. (in **Java** and **log4j**)
- Developed an ID card info-reader for data analysis group. (in **Python**)

（INTERN）SOFTWARE DEVELOPER | NANJING RWTP SYSTEM, CHINA | JUNE.2017 – JULY.2017
- Helped to create a search engine of the online version of Nanjing railway transportation system with principles of Web Collector and Hibernate. This strengthened my proficiency in **Java** and the knowledge of **SQL Database**.

MENTEE AND INSIGHT DAY | DYSON | 30.10.2018 - NOW
- Keeping in touch with mentor from Dyson, Bristol office
- Visited the Bristol Dyson office and gave an introduction to 5G speech to all mentor and mentee in Dyson Award

Award

PARTICIPATION AWARD| MICROSOFT AZURE CODING EVENT| MAR.2019
- The Participate Award of Microsoft Azure machine learning intro competition at University of Bristol.

TOP 5| BLOOMBERG CODECON BRISTOL REGIONAL | NOV.2018
- Top 5 participant in regional coding ability competition at University of Bristol, which was held by Bloomberg
- Be invited to London office to join World final round.

GOLD CERTIFICATES| UK SENIOR MATHS CHALLENGE | NOV.2017
- Gold Certificates in the UK Senior Math Challenge in 2017
- Best participant of school (King Edward VI College, Stourbridge)

GOLD CERTIFICATES| UK SENIOR MATHS CHALLENGE | NOV.2016
- Gold Certificates in the UK Senior Math Challenge in 2016

Interests and Activities

- **Hobby:** Playing table tennis, Rubik's Cube, Sudoku.
- **Societies:** Member of CSS Bristol (Computer Science Society). Attend most of activities and tech speech. Participate in hackathons. Helped me to develop skills, experiences beyond my degree course