Ivan Qin

Tel: (+44)0752920777
(+86)15996373757
Email: ivanqinyu@gmail.com
LinkedIn: ivan-qin
GitHub: github.com/ivanqinyu
Personal Page: ivanqinyu.github.io

EDUCATION

University of Bristol Bristol, UK
MEng (Hons) in **Computer Science and Mathematics** (Joint Degree) 2018 – 2022

- GPA: **Expected 1st**
- Interested research directions: Algorithms and Data Structures, Big Data computation, Machine Learning, etc.

King Edward VI College Stourbridge, UK
A-Level 2016 – 2018

- Mathematics (A*), Further Mathematics (A*), Computer science (A*), Physics (A), Chinese (A)

WORK AND RESEARCH EXPERIENCE

University of Bristol Bristol, UK
Teaching Assistant Sep 2020 – June 2022

- Supported students in small group teaching sessions in **unit of mathematics and computer algorithms**
- Organized problem classes and prepared revision notes for students

Mars Man AI club Nanjing, China
(Remote) Research Assistant June 2020 – August 2021

- Collaborated with senior researchers in **reproducing classic deep learning, computer vision paper projects**
- Researched on static Swapface to create **Real-time Image Animation** using deep learning techniques built the generative adversarial networks
- Achieved the fastest running time among all the group

Intelligence Pay Shanghai, China
(Internship) Software Engineer June 2019 -– Aug 2019

- Assisted in building the **login system back-end for the company internal system**, and created a tool for printing employee attendance schedules
- Developed an ID card info-reader for data analysis group. **Improved on computer vision algorithms** to the data recognition rate from 70% to 90%
- Used Python to filter and clean data from Excel, transferred the database to Oracle

Dyson Bristol, UK
Mentee Sep 2018 -– Nov 2019

- Collaborated with the mentor from Dyson, Bristol office
- Visited the Bristol Dyson office and **gave an introduction to 5G speech** to all mentor and mentee on insight day

TECHNICAL SKILLS AND LANGUAGES

- **Programming Languages:** Python, Java, C/C++, Haskell, Golang, Prolog, JS/HTML/CSS
- **Frameworks and Tools:** Tensorflow, PyTorch, LaTeX, SQL, pandas, R studio, Git

Awards

- **Best Participation Award** of **Microsoft Azure** Machine Learning Intro Competition   2019

  Built the machine learning model and achieved the Top 3 performance team in the Bristol regional contest

- **Bloomberg Algorithm Code Competition**   2018

  Top 5 in Bristol Regional 2018, **Top 50** in the World Finals

- **UK Senior Maths Challenge**   2017 and 2018

  Achieved **Gold metal** for two consecutive year, and **best in school** in 2018

Projects

See full list of projects on https://github.com/ivanqinyu

- Auction Algorithm for Computing Matching in Bipartite Graphs   Algorithm
  An Algorithms Engineering Project to implement recent data streaming algorithms.

- Visual Search using Deep Embedding   Deep Learning, Computer Vision
  Recommended similar fashion products to users by using triplet loss and ResNet

- Use Mathematics and Computer science solving Rubik's cubes   Algorithm, Deep Learning
  Researched and compared the algorithms of solving Rubik's Cube

- Game of life   Go, Concurrent Programming
  Multi-threaded and multi-process simulation game of life in GO

- Scotland Yard AI game board   Java, Algorithms
  Java object orient programming project with Alpha-beta pruning algorithm

- Desktop calendar   Python, Qt
  A software can make the extended screen display time, timetable and other information

- Personal Page   HTML
  Deployed and Designed the blog on the GitHub personal page with front-end languages

Languages

- **English:**   Working
- **Chinese:**   Native

Activities and hobbies

- **Activities:** Member at Bristol **Computer Science Society**   2018 – 2022

  Attended society activities and speeches about technologies, participated in **coding hackathons**

- **Hobbies:** Rubik's cube, Badminton, Table tennis

References available upon request