

Ziyi Liu

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EDUCATION

University of Cambridge, Christ's College

Cambridge, UK

MEng, Computer Science

Oct. 2021 – Jun. 2022

Expected results: Distinction/Merit

Main modules: Deep Learning, Machine Learning Systems, Large-scale Data Analysis

BA Hons, Natural Sciences (Physics)

Sept. 2018 – Jun. 2021

Results: First Class Honors and awarded Christ's college scholarship

Main modules: Physics, Mathematical methods, Scientific Computing, Research Review

First year Class I in Computer science module

Shanghai Guanghua College

Shanghai, China

6 subjects with GPA 4.33/4.33, SAT: 1580

2017 - 2018

AP 12 subjects (10 at Score 5/5) including Computer Science, Statistics, Micro & Macro Economics

WORK EXPERIENCE

Imperial College Summer Research Internship (UROP)

Jul. – Sept. 2021

- Worked on Multi-modal(textual and visual) toxicity classification task with neural network models
- Improved visual feature representations, multimodal alignment, and pre-trained model architecture.
- Dissected data workflow and designed Active Learning scheme and strategies for noisy datasets.

AI Group Intern, Shanghai Futures Information Technology Co., Ltd (SFIT)

Jul. - Sept. 2020

- Worked with a team of 4 on various Fintech problems, while focusing on false information detection in Futures market with NLP and Machine Learning techniques.
- Initiated a qualitative survey in market surveillance technologies and produced an integrated analysis report with a detailed presentation.
- Investigated domestic market supervision problems and the research studies associated with them. Delivered a research review presentation on the identified issues along with potential improvements.

Education Consultant Intern, Broad Future Education, Shanghai

Jul. - Aug. 2019

- Conducted interviews and presented full-package planning and advice for students entering international universities and institutions
- Prepared students for exams and competitions with customized roadmaps and syllabus.

ACTIVITIES AND COMPETITIONS

Cambridge Technology Director, Bridges for Enterprise(BfE)

Nov. 2020 – Dec. 2021

- Overseeing all technology projects progress, recruitment, and technical issues related to data analytics and algorithm design.

- Delivered an internal product on matching mentor candidates and impact startups powered by NLP and data visualization.

Technology Consultant, Cambridge Consulting Network

Oct. 2020 – Jan.2021

- Working on a 10-week health accessory technology start-up consulting project.
- Attended client and team meetings for demand communications and strategy design.
- Undertook extensive qualitative benchmarking research on monetisation capabilities.

Team Leader, Synbio Society Covid-19 Hackathon

May 2020

- Overall management of the team working progress and task assignments.
- Conducted a detailed data-based quantitative analysis on ferret RNA expression subjected to Covid-19.
- Won the first place with interactive plots and elaborate group presentation.

Founder, SmartEmoji Project

Apr. 2020

- Launched an open source project focused on detecting facial expressions from live cam feed and converting them to emojis on the keyboard.
- Made use of opencv and dlib frameworks and Machine Learning based on Python.

Founder and Captain, Christ's College Volleyball Society

Feb. 2020 – May. 2021

- Founded the college volleyball society and organized numerous college events for beginners.
- Oversaw the finance, budgets and event organization affairs.
- Organized college trainings as well as inter-collegiate friendly games and competitions.

Speaker Manager, TEDx Youth in Shanghai

May 2018

- Coordinated with the speaker team and TEDx committee, and organized a few rehearsals.
- Delivered a speech on the importance of drama and art education prior to higher education.

Outreach Officer, Yunnan Foundation Program

Sept. 2017 - Apr. 2018

- Helped Yunnan Students in poverty with better living conditions and more education opportunities.
- Co-operated on launching Computer Room Program for Yunnan students to learn effectively and prepare them for their future. Drafted program plan for the next few years.

Founder and Organizer, City-wide Yi English Language Platform

2015 - 2018

- Established the first free English studying platform in home city with online and offline events.
- Stimulated interest in studying English from the perspective of someone who has been through what they are possibly struggling with.

ADDITIONAL SKILLS

Languages	Native in Mandarin, fluent English speaker, A2 in French
Computing	Python(preferred), Java, and C++; Machine Learning, PyTorch; SML; LaTeX, SQLite
Sports	Volleyball(captain), Badminton(college team), Squash(college team)