Wenjie Fan

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EDUCATION & AWARDS

Keble College, University of Oxford | *MMath Mathematics* 2020 – 2024

- First class predicted
- Awarded the College Scholarship for the Year 2020/21

Hangzhou No.2 High School of Zhejiang Province | *A-Levels* 2017 – 2020

- Maths A*, Further Maths A*, Physics A*
- Grade S/1/S in STEP I/II/III and 95 in MAT
- Top Gold in BPhO Round 1 and Distinction in Euclid Contest

WORK EXPERIENCE

Optiver | *Spring Insight Days* Apr. 2022

- Had an introduction to Market-Making, including some Trading Strategies and Option Theory
- Developed trading algorithms as a group of four which enables arbitrage and hedging on Optibook
- Gained insight into algorithmic trading and trading system design, met tons of like-minded people

Ipsos China | *Customer Experience Innovation Intern* Aug. – Sept. 2021

- Responsible for translation of survey reports for Swiss Re and desk research
- Helped with the analysis of NPS of Manulife-Sinochem Life Insurance in the touchpoint of claims
- Gained insights into pet insurance and ways of analysing customer surveys

Pennon Education | *Tutor for Interview* Sept. 2020 – Now

- Responsible for mock interviews and feedback of more than 30 students
- Participated in establishing a question bank for math interviews in Oxford
- The majority of the students got into Oxford and Imperial College

PROJECT EXPERIENCE

Incoming Research Project | *Individual Research Project* Summer, 2022

- Work on an applied math topic, supervised by Dr Brambley at the University of Warwick

Face Mask Detection | *Group Project* Summer, 2021

- Worked in a group of three members and developed a face mask detector by python
- Proposed the idea and was responsible for the implementation of the YOLOv3 model
- Learned basic computer vision and produced a paper accepted by SPIE Proceedings

Restricted Three-Body Systems | *Group Project* Summer, 2020

- Led a team of five students to analyse Restricted Three-Body Systems
- Designed MATLAB programs to solve and display in 3D the paths and effects of perturbations
- Awarded the best project and presentation among the 10 groups

SKILLS & INTERESTS

Languages: Chinese (Native), English (Fluent)

Computer Proficiencies: Python, PyTorch, Machine Learning, MATLAB, Final Cut Pro

Interests:

- Music: Lead saxophonist in junior high school
- Video Editing: Edited a couple of Anime Music Videos, gaining thousands of views
- Society: Oxford Union, the Invariants, OxAI, OUCS (coordinator)