

# WENDI FAN

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## EDUCATION

- 2017 - Present Mathematics, Magdalene College, University of Cambridge
- 2019 Machine Learning, Stanford University, Coursera
- 2010 - 2017 North London Collegiate School
- 4 A\*s at A Level, A at AS Level, 11 A\*s at GCSE, A in Additional Maths FSMQ
  - Music and Academic Scholar
  - Kay Nicolson Prize for Physics
  - Bank of Merrill Lynch Prize for Mathematics

## EXPERIENCE

- 06/2019 - 08/2019 Full Stack Software Developer Intern, Softwire
- Fast Learner** As a novice programmer, picked up Javascript/Typescript, as well as important skills like unit testing, clean code practices and understanding documentation during their two-week bootcamp, as well as Java, Spring Boot and Angular.io during the project
- Teamwork** Experience working on a dev team and developing a plan to adapt the project to changing client requirements
- 08/2019 Participant, Machine Intelligence Research Institute (MIRI) Summer Fellows Programme
- Technical Discussion & Research** I was one of the youngest selected participants of this two-week academic conference, where I attended workshops and engaged with MIRI researchers and fellow attendees in discussing latest topics and research paths in AI Safety
- 06/2017 - 07/2017 Student, Oxford, PROMYSEurope Programme
- Problem Solving** Attended six weeks of lectures on number theory and graph theory and solved daily problem sets
- Technical Research** Explored the properties of Partitions and Compositions and produced a written and verbal presentation on my findings
- Working Under Pressure** Meeting daily problem set deadlines alongside personal research
- 01/2015 - Present Private Maths and Piano Tutor
- Adaptability** Evaluated the personality and ability levels of my students and adjusted my teaching style and pace for the individual

## PROJECTS

- 10/2019 Participant, Hack the Police 4
- Built a working prototype of a website using Angular.io and the Esri ArcGIS software. My team is now mentored by a member of the innovations team at the Met, and we presented the project to officers at New Scotland Yard, with a potential to take our work further
- 10/2018 - 10/2019 Operations Lead, Cambridge Summer Programme in Applied Rationality
- Worked closely with the co-directors to set up the CEA-funded summer programme from scratch. Responsible for publicity, interviewing and worked on admissions, logistics and curriculum. Led correspondence with students and liaised with venue staff leading up to and during the program.

## SKILLS AND AWARDS

**Languages/Frameworks** Proficient in Java, Javascript/Typescript, HTML/CSS, Spring Boot with Hibernate, Angular.io, Liquibase. Familiar with Python, MATLAB.

**Workshops** Machine Learning in Finance: Time Series Forecasting Workshop with HSBC, Quantitative Trading Workshop with IMC

**Hackathons** BlackRock's Algonathon, Citadel's TheDataOpen, HackThePolice4

**Extracurriculars** Diploma ABRSM in Piano Performance; Events Manager of Archimedean, organized a variety of events including a 200+ person end of year garden party