

HANNAH ROSE KIRK

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Oxford Internet Institute, University of Oxford
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EDUCATION

Oxford Internet Institute, University of Oxford
MSc + DPhil in Social Data Science

October 2020 - Present

Scholarships and Awards

Full PhD Scholarship from ESRC Grand Union DTP

Yenching Academy Scholarship, Peking University

August 2018 - July 2020

Master of Economics

GPA: 3.99, 2/99

Scholarships and Awards

Highest ranked international student, recipient of the 三好学生标兵 Award

Awarded Outstanding Academic Prize for top ten results and Outstanding Research Prize for field work

Awarded Robin Li Scholarship for outstanding students in technical fields

Awarded Dean's Research Grants for individual and group field research projects

Relevant Courses: Statistics, Quantitative Methods in Social Science, Experimental Design and Data Analysis, Macroeconomic Policy and Analysis, Chinese Marxist Philosophy

Trinity College, University of Cambridge

September 2015 - July 2018

BA (Hons) Economics

Triple First Class Honours

Scholarships and Awards

Elected lifetime Research Scholar of Trinity College (2018)

Awarded the Roger Dennis Prize for best undergraduate dissertation (2018)

Elected Junior Scholar for Trinity College (2016-17), elected Senior Scholar for Trinity College (2017-18)

Awarded the Trinity Roger Moore Prize given to the undergraduate displaying the greatest intellectual curiosity in Part I of the Economics Tripos (2016)

Relevant Courses: Micro/Macro Theory, Social Choice Theory, Game Theory, Network Theory, Calculus, Statistics and Probability, Econometrics (Multiple linear regression, Time series regression)

RESEARCH

The Nuances of Confucianism in Technology Policy: an Inquiry into the Interaction Between Cultural and Political Systems in Chinese Digital Ethics (2020) *International Journal of Politics, Culture and Society*
<https://doi.org/10.1007/s10767-020-09370-8>

Cooperation and Creed: An Experimental Study of Religiosity in Strategic and Societal Interactions (2019) *Cambridge Working Papers in Economics CWPE1995*

The Mediation of Matchmaking: A Comparative Study of Online and Physical Dating Markets in China, *Working Paper*

In Algorithms We Trust? Religious Bias in Machine Learning, *Working Paper*

Big Dating for Social Discovery or Social Entrenchment? Diversity of Mate Preferences in the Age of Algorithmic Matchmaking, *Working Paper*

A New Tool for Chinese Learning? Recognition of Learner Handwritten Character Mistakes Using Deep Neural Networks, *Working Paper*

SKILLS

Computing Python, STATA, R, L^AT_EX, VBA, JAVA, SPSS, webscraping (Beautiful Soup), Tensorflow
Languages English (Native), Mandarin

WORK EXPERIENCE

The Berggruen Institute, China Center

September 2019 - Present

Research Scholar

- Assist research at the Berggruen China Centre at Peking University, a think-tank tackling 21st century problems.
- Specifically in the focus area of artificial intelligence, the digital transformation of the human and privacy issues introduced by big data.
- Founder and host of 'Berggruen China Chats', a fortnightly podcast discussing current issues with Chinese academics and industry experts.

British Chamber of Commerce, Beijing

September 2018 - December 2018

Project Data Scientist

- Collected and analysed data from over 70 countries for a report detailing the educational impact of China's Belt-and-Road Initiative.

Goldman Sachs

June - August 2017

New York Summer Internship Programme in Engineering (Strats)

- Modelled strategies to complex client problems. Developed an Excel Add-in for Marquee, Goldman's analytical and execution application, using the Marquee API, Java and VBA.
- Offered full-time job offers from both desks.

Bank of England

August 2015 - September 2015

Research Intern, Statistics and Regulatory Data Division

- Worked with statisticians and published a box in the Trends in Lending report (Oct 2015) using large quantities of data to research classes of new lending types. Data analysis was used to brief the Monetary Policy Committee.
- Wrote Excel programs to sort Bank return forms specifically for the Funding For Lending scheme.

The Economist

July 2016 - July 2017

Student Ambassador for Cambridge University

- Promoted The Economist's profile and managed social media to best target students.

Solar Aid, The MicroLoan Foundation

October 2013

Charity Strategy Research, Zambia, Malawi and Kenya

- Worked with local Microfinance organisations engaged in small scale lending to female community business groups. Developed strategy for installation of solar power lighting in rural education.

EXTRA-CURRICULAR

R-Ladies Beijing Committee Member: Organise inclusive programming events and provide tutorials to teach R to women in Beijing. Tutorials include Network Analysis and Supervised Machine Learning.

Co-founder of the Behavioural Data Lab 2018-19: A club for PKU students to explore topics of behavioural data science through the use of Chinese data sets.

Chair (2017) and Speaker's Officer (2016) of the Marshall Society: Leading and directing Cambridge University's economics society. Organised and advertised high-profile speaker events.

Bank of England Target 2.0 Competition: Captain of National Champion team 2015. Built a Monte Carlo simulation and fan chart to demonstrate the bank's bias to over-predict inflation in past decades.

Voted Student Representative for Part I Economics: Represented over 170 students at University meetings. Helped to design changes to curriculum and exam formats.

Sports: Member of the Cambridge University Modern Pentathlon Team, Member of Trinity College Football, Hockey and Netball Teams, Member of Yenching Academy Basketball and Football Teams and Peking University Running Team. Ran a marathon on the Great Wall of China!