

HANNAH ROSE KIRK

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EDUCATION

Oxford Internet Institute, University of Oxford

MSc + DPhil in Social Data Science

October 2020 - October 2024
Current grade: Distinction, 75%

Scholarships and Awards

Full PhD Scholarship from ESRC Grand Union DTP

Relevant Courses: Python for Social Data Science, Data Analytics at Scale, Natural Language Processing, Applied Machine Learning, Statistics

Yenching Academy Scholarship, Peking University

Master of Economics and China Studies

August 2018 - July 2020
GPA: 3.99, Rank: 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

Trinity College, University of Cambridge

BA (Hons) Economics

September 2015 - July 2018
Double First Class Honours

Scholarships and Awards

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

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

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

Kirk, H. R., Vidgen, B., Röttger, P., & Hale, S. A. (2021). [HATEMOJI: A Test Suite and Adversarially-generated Dataset for Benchmarking and Detecting Emoji-based Hate](#).

Kirk, H. R., et al. (2021). [Memes in the Wild: Assessing the Generalizability of the Hateful Memes Challenge Dataset](#). Proceedings of the 5th Workshop on Online Abuse and Harms (WOAH 2021), 26–35. doi:10.18653/V1/2021.WOAH-1.4

Kirk, H. R., et al. (2021). [Bias Out-of-the-Box: An Empirical Analysis of Intersectional Occupational Biases in Popular Generative Language Models](#). NeurIPS (Under Review). arXiv:2102.04130

Kirk, H. R., & Gupta, S. (2021). The Mediation of Matchmaking: A Comparative Study of Gender and Generational Preference in Online Dating Websites and Offline Blind Date Markets in Chengdu. *The Journal of Chinese Sociology* (Under Review).

Kirk, H. R., Lee, K., & Micallef, C. (2020). [The Nuances of Confucianism in Technology Policy: an Inquiry into the Interaction Between Cultural and Political Systems in Chinese Digital Ethics](#). *International Journal of Politics, Culture, and Society*, 1–24. doi:10.1007/S10767-020-09370-8

Kirk, H. R. (2019). [Cooperation and Creed: An Experimental Study of Religiosity in Strategic and Societal Interactions](#). *Cambridge Working Papers in Economics CWPE1995*. doi:10.17863/CAM.47809

SKILLS

Computing Python, R, STATA, L^AT_EX, webscraping (BeautifulSoup), Tensorflow, PyTorch
Languages English (Native), Mandarin

PROFESSIONAL EXPERIENCE

Oxford Artificial Intelligence Society October 2020 - Present
Project Manager

- Conduct and lead research teams for projects on societal impacts of Artificial Intelligence.
- Two papers submitted to leading conferences.

The Berggruen Institute, China Center September 2019 - September 2020
Research Scholar

- Assisted research at the Berggruen China Center, a think-tank tackling 21st century problems.
- Specifically focused on 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 programs to sort bank return forms 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.