

HANNAH ROSE KIRK

Oxford Internet Institute ◊ The Alan Turing Institute
hannah.kirk@oii.ox.ac.uk ◊ hkirk@turing.ac.uk

EDUCATION

Oxford Internet Institute, University of Oxford

October 2020 - October 2024

MSc + DPhil in Social Data Science

MSc Grade: Distinction, 77%

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

August 2018 - July 2020

Master of Economics and China Studies

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

September 2015 - July 2018

BA (Hons) Economics

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., Thrush, T., & 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). [Bias Out-of-the-Box: An Empirical Analysis of Intersectional Occupational Biases in Popular Generative Language Models](#). NeurIPS 2021. [arXiv:2102.04130](#)

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., & 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](#)

PROFESSIONAL EXPERIENCE

The Alan Turing Institute

September 2021 - Present

NLP Researcher

- NLP model developer on The Online Safety Team.
- Research focuses on data-centric techniques, such as active and adversarial learning, to optimise the development of AI models to detect online harms.

Rewire Online

September 2021 - Present

ML Engineer

- Engineer ML and NLP solutions for AI in online safety.

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.

SKILLS

Computing Python, R, STATA, L^AT_EX, Tensorflow, PyTorch

Languages English (Native), Mandarin