

# QIANG HA

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## EDUCATION

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### TSINGHUA UNIVERSITY, SCHWARZMAN COLLEGE

*Master of Global Affairs*

Beijing, China  
August 2019 - July 2020

### LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE

*Masters of Science (MSc), Data Science*

London, UK  
Sep 2018 - August 2019

- Courses: Machine Learning, Deep Learning, Distributed Computing, Social Network, Text Analysis

### UNIVERSITY OF CAMBRIDGE, QUEENS' COLLEGE

*Bachelor of Art (BA), Mathematics – First Class Honours*

Cambridge, UK  
Oct 2015 - Jun 2018

- Queens' College Foundation Scholar Award for Academic Excellence
- Courses: Statistics, Linear Algebra, Numerical Analysis, Optimisation and Control, Probability

## PROFESSIONAL EXPERIENCE

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### London School of Economics Department of Politics

*Fake News Study, Research Assistant*

London, UK  
Jan 2019 – Present

- Studying network and linguistic characteristics of fake news on Twitter using 150 GB Json Zip files.
- Constructing Tables and GraphFrames for efficient data processing using *Spark* and *Python*
- Aim to produce the first study to predict fake news combining network and linguistic characteristics

*EEQU - a peer to peer education platform that provides tailored education for children*

*Data Science, Summer Intern*

Sussex, UK  
May 2019 – Jul 2019

**OXFORD ASSET MANAGEMENT** – *a market-neutral quantitative hedge fund*

*Quantitative Modelling, Summer Intern*

Oxford, UK  
Jul 2018 – Aug 2018

- Worked on accurate peer group identification for 20,000 US companies using *Python*
- Identified peers with stronger Residual Return and Fundamental Variable Correlation than industry groups

### CAMBRIDGE UNIVERSITY STATISTICAL LABORATORY

*Undergraduate Research Assistant*

Cambridge, UK  
Jun 2017 – Sep 2017

- Proved the optimality of Thompson Sampling Algorithm to solve Stochastic Multi-armed Bandits is robust
- Designed and implemented experiments to verify results using Python in a Linux environment
- Published a paper, 'A study of Thompson Sampling with Parameter h', at <http://arxiv.org/abs/1710.02174>

### BOHAI LIFE INSURANCE

*Asset Management, Summer Intern*

Beijing, China  
Jun 2016 – July 2016

- Used US Steel Corporation as a model to identify fast growing Chinese coal companies using Matlab

## ADDITIONAL INFORMATION

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- Chief Sponsorship Officer for Cambridge New Year Trust (a fundraising arm for a Charity Based in China), Volunteering Consultant for Harry Specters (a social enterprise), passionate for social changes
- Advanced in Python and R, Proficient in TensorFlow, Spark, Hadoop, Matlab, Latex, Bash
- English (Advanced), Mandarin (Native), Japanese (Basic)
- Played Basketball for 10 years, Go for 6 years, watched animations for 4 years. Enjoy acting.