

RYAN CHAN

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EXPERIENCE

The Alan Turing Institute (Research Engineering Team) Research Software Engineer

September 2022 - Present

- The Alan Turing Institute is the national institute for data science and artificial intelligence
- Working within the Fundamental AI research area applying state-of-the-art and novel machine learning techniques emerging from the Institute
- I run the *Robots-in-Disguise* reading group which meets weekly to keep up to date with the advancements in fundamental AI research
- Collaborating with researchers and industry partners to develop and maintain high-quality, well-tested software for machine learning and artificial intelligence
- For information about the projects that I have contributed to, see rchan26.github.io

Cambridge Spark - Teaching Fellow

March 2021–December 2021

- Developing course materials for students enrolled in Cambridge Spark's *Data Essentials* program providing an introduction to statistics and data analytics

University of Warwick - Teaching Assistant

July 2020

- Developed an R course (*Basic R with pointers*) for Mathematics and Statistics students
- Course covered basic programming with R, data visualisation with ggplot2, report writing with R Markdown and building packages in R

EDUCATION

The Alan Turing Institute / University of Warwick PhD in Statistics

September 2018 - September 2022

- Thesis: *Monte Carlo methods for combining sample approximations of distributions*; Examined by Professor Nicolas Chopin (ENSAE Paris) and Dr. Krzysztof Łatuszyński (Warwick)
- University of Warwick has one of the top statistics research groups in the UK. PhD in partnership with The Office of National Statistics (ONS) and The Alan Turing Institute
- Worked on Bayesian analysis for Big Data and developing Monte Carlo methodology for unifying distributed analysis with Prof. Gareth Roberts and Dr. Murray Pollock
- Published a paper titled *Divide-and-Conquer Fusion* at the Journal of Machine Learning Research

University of Leeds

September 2014 - July 2018

MMath, BSc Mathematics - 1st Class Honours (87%)

- Awarded the Royal Statistical Society Prize (2018) for outstanding performance in statistics modules
- Three time recipient of the “Top 10 scholarship” awarded to the top 10 undergraduates each year at the University of Leeds (2015, 2016, 2017)
- Focused on Bayesian statistics, statistical computing & algorithms, stochastic processes, predictive modelling, deep learning

References available on request