

# RYAN CHAN

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## EXPERIENCE

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**The Alan Turing Institute (End-to-End Environmental Forecasting)**      October 2025 - Present  
**Senior Researcher**

- Working on *Project Cumulus*, a collaborative initiative to develop weather forecasting systems to support farming communities in West Africa
- Developing observationally driven AI models for sub-seasonal forecasting and AI-based downscaling methods

**The Alan Turing Institute (Research Engineering Group)**      September 2022 - September 2025  
**Research Software Engineer**

- The Alan Turing Institute is the national institute for data science and artificial intelligence
- Worked in the Environment & Sustainability research area contributing to the development of AI environmental forecasting systems, such as *FastNet*, a Graph Neural Network for medium-range weather forecasting
- Collaborated in cross-functional teams with researchers, engineers and industry partners to develop and maintain high-quality, well-tested software for machine learning and artificial intelligence research

## EDUCATION

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**The Alan Turing Institute / University of Warwick**      September 2018 - September 2022  
**PhD in Statistics**

- 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 developing scalable Monte Carlo methodology for Bayesian inference and unifying distributed analyses with Prof. Gareth Roberts and Prof. Murray Pollock

**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

## AWARDS AND SCHOLARSHIPS

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- The Alan Turing Institute Doctoral Studentship (2018-2022)
- The Royal Statistical Society Prize (2018)
- Three time recipient of the *Top 10 scholarship* awarded to the top 10 undergraduates each year at the University of Leeds (2015, 2016, 2017)
- Two time recipient of the *Summer Vacation Bursary Scheme* to undertake a research project at the University of Leeds (2016, 2017)