RYAN CHAN

ryanchan2607@gmail.com

LinkedIn: ryan-chan-2607 — Website: rchan26.github.io

EXPERIENCE

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

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

- 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)