

RYAN CHAN

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EDUCATION

The Alan Turing Institute / University of Warwick PhD Statistics

September 2018 - Present

- Developing Monte Carlo methodology for unifying distributed analysis (Monte Carlo Fusion) with Gareth Roberts (Warwick), Murray Pollock (Newcastle) and Petros Dellaportas (UCL)
- Project is coding heavy: R/Rcpp/Julia/Python
- Organiser of the student seminar series at The Alan Turing Institute
- Developed an R course (*Basic R with pointers*) for Mathematics and Statistics undergraduate students at the University of Warwick
- Publications:
 - Chan, R. and Dai, H. 2020. Discussion of “Quasi-stationary Monte Carlo and the ScaLE algorithm” by Pollock, Fearnhead, Johanson and Roberts, JRSS B.

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

September 2014 - July 2018

- Thesis: Bayesian Sports Modelling (using R and Stan)
- Focused on Bayesian statistics, statistical computing and algorithms, machine learning, stochastic processes, statistical modelling
- Elected by the Mathematical Society to be treasurer and secretary for the 2017/2018 academic year
- Participated in a research project to design and implement search algorithms to solve Sudoku puzzles
- Undertook two undergraduate summer research projects; one with Dr. Kevin Houston on the Laplace-Beltrami operator and another with Dr. Jonathan Ward on ‘adaptive networks’

AWARDS AND SCHOLARSHIPS

- The Alan Turing Institute Doctoral Studentship (2018-2022)
- 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)

SKILLS

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| Programming | R Statistical (including Rcpp), Julia, Python, C++, Stan, HTML, CSS |
| Platforms | Microsoft Azure |
| Other | SQL, UNIX, git |
| Languages | English, Cantonese |
| Interests | Film, Football, Basketball, Sports Analytics, Podcasts, Cycling |

References available on request