RYAN CHAN

07892676401

ryanchan2607@gmail.com

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

EDUCATION

The Alan Turing Institute / University of Warwick September 2018 - Present
PhD Statistics

- 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 September 2014 - July 2018
MMath, BSc Mathematics - 1st Class Honours (87%)

- 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 Soduku 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'

Bishop Heber High School and Sixth Form 2007 - 2014

- A-Levels: A*AB; GCSEs: 2A*, 3As and 4Bs

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)
- History Student of the Year (2014) for excellence in History A-Level

SKILLS

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