Rohan Hitchcock

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Highly motivated graduate mathematics student at the University of Melbourne. Has advanced problem solving skills developed in postgraduate mathematics education and pure mathematics research. This is backed up by strong technical skills in machine learning, data science and programming, acquired though research and teaching roles and study. Is highly competent at communicating complex and technical subjects, as demonstrated by teaching and mentorship roles and frequent participation in research seminars.

Education

Jul. 2020 – Nov. 2022	
 Completing thesis in algebraic geometry. Research has also included some study in the theory of deep learning. Presented research in seminars and collaborated with others. Specialising in pure mathematics, with additional study in machine learning, probability, and statistics. 	
Feb. 2017 – Jul. 2020	
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Jul. 2020 – Present online r.	
Jul. 2019 – Aug. 2020 fic model nulation fit	

Jul. 2018 – Jul. 2019

The Peter Doherty Institute, The University of Melbourne

• Independent research project investigating immune cell movement using simulation. Presented work at an undergraduate conference.

Other Experience

Research Internship

AMSI Vacation Research Scholarship Dec. 2019 – Jan. 2020 The University of Western Australia • Completed six week pure mathematics research project resulting in a report and presentation at the AMSI Connect conference. Feb. 2018 – Jun. 2018 **Demonstrator** (Computer Science) The University of Melbourne • Assisted the tutor in practical classes that introduced students to programming in Python. 2016 Assistant Customer Experience Manager, Shift Supervisor McDonald's Australia • Implemented customer service training program, responded to customers who had lodged complaints, and managed shifts. • Developed leadership and management skills in a fast-paced environment. Volunteering Mentor Sep. 2021 – Present The Institute for Enquiring Minds • One-on-one mathematics mentoring with a high-school student as part of a charity which connects mentors with students from disadvantaged backgrounds. Seminar Organiser (Mathematics) Feb. 2020 - Jul. 2021 The University of Melbourne • Organised three semester-long seminar series for first and second year mathematics students. The topics were cryptography, game theory, and neural networks. • Designed the curriculum for seminars, mentored and provided feedback to students, and was responsible for general administration tasks. Key Skills • Excellent mathematical problem solving and reasoning. • Strong research skills in theoretical and applied fields.

- Data science, data analysis and machine learning (including deep learning).
- Technical communication including writing, public speaking and teaching.
- Tools: Python, C, Haskell, Java, MATLAB, OpenMP, Numpy, Scipy, Pandas, Git.

Awards and Achievements

- Leaders in Communities Award, University of Melbourne (2022).
- Flagstaff Partners Award in Science and Engineering, University of Melbourne (2021).
- Mathematics and Statistics School Scholarship, University of Melbourne (2021).
- Dean's Honours List, University of Melbourne (2017).