

### EMPLOYMENT

**Heilbronn Fellow** 2022 – Present  
*University of Manchester*

- I am currently a research fellow in mathematics, funded by the Heilbronn Institute for Mathematical Research .
- I work on problems at the intersection of dynamical systems, number theory and probability theory.
- I was invited to the Universities of Bristol and Exeter for research visits.

**EPSRC Doctoral Prize Fellow** 2021-2022  
*University of Manchester*

- I was awarded a highly competitive one year research fellowship, funded by EPSRC.
- I completed a professional development programme: Paths to Research Leadership.
- I was awarded a London Mathematical Society bursary, to supervise a summer project student.

### EDUCATION

**PhD in Mathematics** 2017 – 2021  
*University of St Andrews*

- I was fully funded by Engineering and Physical Sciences Research Council (EPSRC).
- I completed three research papers, all of which were published in leading academic journals.
- I received joint first prize for best presentation at the Edinburgh Mathematical Society Postgraduate Meeting in 2018.
- I gave numerous invited seminar talks where I discussed my research.
- I taught several undergraduate tutorial groups, and received highly positive feedback on my performance.

**MMath in Mathematics** 2013-2017  
*University of York*

- I was awarded First Class Honours with Distinction (Avg 93%).
- I was awarded the Kathleen Ryan Project Prize for the best overall MMath final year project performance.
- I was awarded the P B Kennedy Prize for outstanding performance in the final degree examination in Mathematics.
- I was awarded an Annie Curry Williamson Scholarship (based on academic potential).
- I was awarded funding for two summer research projects by EPSRC and the LMS.
- I completed a research paper in my final year, which was published in Mathematika.

### SKILLS

**Programming** Python (familiarity with NumPy, Pandas, Plotly Dash, Scikit-Learn, Seaborn, TensorFlow).  
**Other Technologies** SQL, Git/GitHub, Docker, LaTeX.

### PROJECTS (AVAILABLE ON GITHUB)

**Housing App** An interactive app for predicting house prices, built with Scikit-Learn and Plotly Dash.  
**Text Generator** An app which generates text in the style of estate agents, built with TensorFlow.

### CERTIFICATIONS

**Machine Learning**, Stanford University, Coursera. 2023  
**Deep Learning Specialisation**, DeepLearning.AI, Coursera. 2022  
**IBM Data Science Professional Certificate**, IBM, Coursera. 2022