Personal details	**Mr Edward Pearce**

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Profile

• Final year PhD student in Mathematics at the University of Sheffield
• Proficient in Python (pandas, scikit-learn, Tensorflow, Plotly), SQL, git, Hugo, R
• Looking to apply machine learning and data analysis techniques to real world problems

Experience

Cancer Data Analyst, Health Data Insight, Cambridge   July 2019 - September 2019
• Using Python and SQL for data extraction, automating statistical tests, visualization
• Building a framework to analyse synthetic datasets of patient tumour records
• Presenting results to HDI board members and Public Health England stakeholders
• Chairing Analysts East team meeting; organising social events (group meals, punting)

STFC AI&ML Summer School UCL   17th - 25th July 2018
• Lectures, labs on machine learning, cloud computing from ASI Data Science, Nvidia
• Case studies on applications in industry and physics from Intel, Dell, Amazon, more
• Poster session presenting, and outreach with secondary schools on LHC data

Research Analyst, TAS Services Ltd, Hong Kong   July 2016 - September 2016
• Using Python for web scraping, data analysis and interfacing with SQL and mongoDB
• Automating data comparison across multiple sources for accurate data management
• Linking databases and preparing data for statistical modelling
• Discovering a new culture through international work experience

Warwick Maths Society (President)   February 2014 - April 2016
• Elected twice to the executive committee, first as sponsorship officer, second as ~.
• Secured two new sponsors for the society, increasing sponsorship funds by 100%
• Managing a team of 15 exec members, chairing meetings, and organising events of
  varying sizes for our 900-strong membership, including external trips, summer BBQ
• Presenting at the Warwick Imperial undergraduate conference on my URSS project.
• Delivered a revision lecture on linear algebra to over 200 of my peers

Education

University of Sheffield   October 2016 - Present
PhD, Mathematics; Supervisor: Dr Paul Johnson
University of Warwick   October 2012 - July 2016
Master of Mathematics (with Honours), First Class
Teaching responsibilities   October 2015 - Present
• University of Sheffield - Lead demonstrator in support classes on topics including:
  Core maths for mathematicians and engineering majors; Beginner and intermediate
  programming in Python, LaTeX, and html; Introductory R for statisticians
• University of Warwick - Small group supervisor for 2x5 1st year maths students

Additional Skills

• Mandarin Chinese (HSK5). Minor experience with Java, Matlab, Mathematica, Magma
• Volunteer teaching at monthly Python programming sessions 'Cookies and Code'

Interests

Chinese language, history, and culture (documentaries, comedy films), Hot Yoga,
Reading (Dystopian fiction), Theatre (Shakespeare), Film (Marvel Cinematic Universe),
Hiking (Peak District), Museums (The V&A), Card Games (Dobble, Citadels).

References   Available upon request