

Henry Wilde

CONTACT INFORMATION	36 May St, Cathays Cardiff CF24 4EX	07837 456742 wildehd@cardiff.ac.uk
RESEARCH INTERESTS	Healthcare modelling, machine learning, game theory, and stochastic modelling	
EDUCATION	Cardiff University , Cardiff, Wales	
	Ph.D., <i>Applied Statistics, Operational Research and Data Analytics</i> , <i>Expected:</i> Sept 2021	
	<ul style="list-style-type: none">• Topic: <i>Utilising machine learning to understand cost variability in the NHS</i>• Supervisors: Dr. Jonathan Gillard and Dr. Vincent Knight	
	B.Sc., <i>Mathematics, First Class Honours</i> , July 2017	
	<ul style="list-style-type: none">• Key modules: <i>Mathematical Methods for Data Mining, Game Theory, Algorithms and Heuristics, Optimisation</i>• Projects included: building a simulation of a hospital emergency department, and a principal analysis of two game-theoretic strategies within an Iterated Prisoner's Dilemma tournament.	
RELEVANT SERVICE AND TEACHING EXPERIENCE	Module Tutor , <i>School of Mathematics, Cardiff University</i>	Oct 2017 - Present
	Computing for Mathematics (MA1003) with Dr Vincent Knight	
	An introductory course on using Python for mathematics. I supported the module by supervising weekly computer lab sessions for groups of students to complete exercises and ask questions about the course material.	
	Statistical Inference (MA1501) with Dr Jonathan Gillard	
	First year module building on A-level statistics. My role included running fortnightly classes for multiple groups of students. The purpose of these sessions was to provide feedback and going over recent exercise sheets.	
	Personal Tutor	Sept 2016 - June 2017
	Providing one-on-one sessions for GCSE Mathematics with C/D borderline students.	
	Student Mentor , <i>School of Mathematics, Cardiff University</i>	Sept 2016 - Jan 2017
	Assisting a group of first year Mathematics undergraduates transition to life at university through regular group meetings as well as providing individual support.	
BURSARIES AND AWARDS	2018 EURO Support for NATCOR Bursary	
	Financial support to attend NATCOR courses in Approximation Algorithms & Heuristics and Predictive Analysis & Forecasting.	
MEMBERSHIPS	PyDiff	Oct 2017 - Present
	Cardiff-based Python discussion group. I have spoken on the usefulness of specific libraries for handling large, complex datasets with Python.	
	The O.R. Society (SWORDS)	Dec 2015 - Present
	South Wales Operational Research Discussion Society. I regularly attended meetings and talks throughout my undergraduate degree, and continue to do so into my current studies as a PhD candidate.	
REFERENCES	Jonathan Gillard	
	Senior Lecturer in Statistics, Director of Admissions School of Mathematics, Cardiff University	+44 (0)29 2087 0619 gillardjw@cardiff.ac.uk
	Vincent Knight	
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