

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., Applied Statistics, Operational Research and Data Analytics, <i>Expected: Autumn 2020</i>	
	<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., Mathematics, <i>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 – Dec 2017	
	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.	
	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.	
ADDITIONAL ACTIVITIES	Memberships	
	PyDiff	
	<ul style="list-style-type: none">• Cardiff-based Python discussion group.• I have spoken on the usefulness of specific libraries for handling large, complex datasets with Python.	
	SWORDS	
	<ul style="list-style-type: none">• South Wales Operational Research Discussion Society• Regular attendee to meetings and talks since 2016	
REFERENCES	Jonathan Gillard	
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	Vincent Knight	
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