Roger Hill

Centre for Complexity Science, University of Warwick, West Midlands, CV4 7AL, UK.
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Education

2016–Present | **PhD researcher, Centre for Complexity Science, University of Warwick, UK.**
Thesis title: Mathematical pharmacokinetics/pharmacodynamics with respect to circadian rhythms.
Supervisors: Annabelle Ballesta (Inserm Ile-de-France) & Francis Lévi (University of Warwick).
Award: Full EPSRC Scholarship

2015–2016 | **MSc in Mathematics of Real-World Systems with Merit, University of Warwick, UK.**
Research project: Convex optimisation in communications systems.
Research project: Predictive modelling and treatment optimisation for colorectal cancer.
Award: Full EPSRC Scholarship.

2014–2015 | **MSc in Mathematical Medicine and Biology with Merit, University of Nottingham, UK.**
Research project: The rise and behaviour of multiple antimicrobial plasmid mediated resistance within a slurry lagoon system.

2010–2013 | **BSc in Mathematics with 1st Class Honours, Keele University, UK.**

2008–2010 | **A Levels, Queen Elizabeth's Grammar School, Alford**
Mathematics A, Further Mathematics C, Business Studies C.

2006–2008 | **GCSEs, Monks' Dyke Technology College**
3 As, 4 Bs, 2 Cs.

Experience

2019 | **Website development: Louth Methodist Church and personal website.**
- Created from base up a website to advertise the Churches rooms to rent.
- Liaised with client to understand the extent of their requirements.
- Organised feedback sessions to ensure the client was satisfied with outcomes.

2017-2019 | **Teaching, University of Warwick.**
- Taught mathematical computation and coding to 1st year students with little to no coding experience.
- Communicated complex material to large groups.
- Organised and facilitated experimental mathematics lessons.

2014-2015 | **Salsa Team Captain, University of Nottingham.**
- Choreographed and taught a dance routine.
- Organised multiple trips to compete across the country.
- Lead he team to the most successful year since it's founding.

2013-2014 | **Teaching assistant, Grove School, Market Drayton.**
- Worked with failing students to gain the levels of progress required.
- Ran extra morning and evening study sessions for students.
- Facilitated activities at lunch times and after school for the students who struggled with behaviour to have a safe place to use up energy.

2011-2012 | **Men's 1st team captain, Keele University.**
- Lead the team to safely retain their league position.
- Communicated with the coach in order to improve the team.
- Engaged in conflict management between team members.

Skills

Modelling	Mathematical modelling and analysis using various mathematical techniques.
Coding	Varying degrees of proficency in Matlab, *Python*, html and css, and Javascript. With the ability to learn new languages quickly.

References

Available upon request.