

Jake Stockwin

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Education

Oct 2013 – Current

University of Oxford

- MMath

Mathematics and Statistics (Expected 2:1)

Final year Dissertation: "Gaussian Processes for Bayesian Optimisation"

Sept 2009 – July 2013

Farmor's School, Fairford

- A-Levels: Mathematics (A*), Further Mathematics (A*), Physics (A*)
- AS-Levels: Chemistry (A), Extended Project Qualification (A*), Critical Thinking (B)
- AQA Baccalaureate Distinction
- GCSE's: 12 A*-A

Work Experience

Nov 2016 – Current

Transmissibility Estimation Project, with forthcoming publication

Thompson, R.N., **Stockwin, J.E.**, DeMarsh, A., van Gaalen, R., Polonsky, J., Dahlwist, E., Li, S., Rodriguez, I., Lessler, J., Cauchemez, S. and Cori, A., *A new tool for estimating serial intervals and time-varying reproduction numbers during an infectious disease outbreaks*, In preparation for *Epidemics*.

- Main developer on a user-facing R shiny application to estimate serial intervals and time-varying reproduction numbers during infectious disease outbreaks.
- Designing the user interface of the online application to allow a non-technical audience, for example infectious disease policy-makers, to use and interpret the results of the model.
- Collaborating with others both on writing the publication and with authors of other R applications which have been updated for our use.

July 2015 – Sept 2015

Internship, St. James's Place Wealth Management (SJP)

A 10 week internship at SJP's R&D department, working with a marketing actuary.

- Responsible for updating SJP's tools with respect to rules and regulations in many different financial areas, particularly to reflect changes made in the Government's 2015 summer budget.
- Also developed novel financial tools which the company now employs and provides to their partners.
- Gained skills in Visual Basic (VBA) within Microsoft Excel, understanding often complex rules.
- Successfully met all deadlines whilst working on numerous concurrent projects.

Jan 2015 – Dec 2015

IT-Officer OxIMUN 2015

Oxford International Model United Nations (OxIMUN) is an international conference where students from across the world participate in a mock United Nations debate.

- Responsible for maintaining the website oximun.org including implementing a secure online registration system.
- Gained skills in website design, time management and meeting strict deadlines.

Work Experience (Continued)

May 2014 – June 2015 Tutor at MyTutorWeb

MyTutorWeb is an online tutoring service providing one-to-one tutorials in an online classroom

- Responsible for developing and delivering interactive online tutorials ranging from GCSE level to graduate diploma level.
- Developed skills required to interpret customer needs and tailor materials accordingly.
- Preparing tutorials has improved my organisational skills and delivering them has enhanced my communication skills.
- Promoted to Premium Tutor based on excellent reviews in Sept 2014

Mar 2011 – June 2013 Sales Assistant, Londis, Fairford

- Provided excellent customer service and gained good experience working as part of a team.

Skills

- Programming languages (self-taught) including Python, Java, PHP, HTML and JavaScript (specifically NodeJS), applied in the context of website development.
- Member and top 10 contributor to KeystoneJS, a NodeJS Content Management System, on GitHub. More details available on my online portfolio at: <http://jakestockwin.co.uk/>.
- Web hosting using Linux Cloud Servers.
- Proficient with all Microsoft packages and extensive use of Excel, including VBA.
- Communication skills have been vital in my role as a tutor. Have learned to communicate effectively and diplomatically with a wide range of people.
- Experienced in delivering presentations (in PowerPoint), for example when presenting my Extended Project Qualification to an audience.

Achievements

- Completed team World Challenge Expedition to South America (2012), including itinerary and budget planning. Successfully undertook responsibilities as team leader, managing finances and organising the treks.
- Completed the Gold Duke of Edinburgh's Award.
- Awarded school Maths prize.

Other Interests

- Have a great interest in travel and have enjoyed the challenge of inter-railing in Europe.
- Enjoy outdoor activities, including walking, camping, kayaking and sailing.
- Enjoy programming and computing.