

Personal Details:

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Academic History and Qualifications:

University of Warwick Mathematics (4-year MMath + Year Abroad) (2011-2016):

1st Class honours overall and in Dissertation.

Université Pierre et Marie Curie (2013-14) :

ERASMUS year abroad; results including 90% in Combinatorics, 84% in Linear Optimisation and 80% in Group Theory

King's College School (KCS), Wimbledon (2000 – 2011):

International Baccalaureate:

Overall points score: 42 (**98.6th percentile worldwide**)

AS & GCSE exam results:

A (AS Latin, taken alongside GCSE exams) – July 2009

A (Free Standing Maths Qualification) – July 2009

12 A* (GCSEs) – July 2008-9 (including 100% in English Literature)

Other:

KCS Scholarship (including **first recorded instance of 100%** score in Scholarship Mathematics) – 2006
Silver Award, UKMT Senior Mathematics Challenge.

KCS House Prefect

Foreign Language Skills:

Fluent Spanish speaking and writing.

Confident French speaking and writing.

Employment History and Relevant Experience:

London Mathematical Laboratory (LML) – (31 Oct 2016 - present):

- Full-time visiting researcher position, continuing prior work on earthquake forecasting.
- Evaluating and analysing earthquake forecast models under the CSEP framework.

London Mathematical Laboratory (LML) Summer School – (11 July - 5 Aug 2016):

- 4-week research project to identify and evaluate promising statistical learning methods for merging earthquake forecast models.
- Designed and implemented a new Bayesian model for merging model predictions.
- Offered visiting researcher position at LML to continue working on earthquake forecasting.

Warwick University Undergraduate Research Support Scheme (URSS) – (27 July - 4 Oct 2015):

- 10-week research project at Warwick's Systems Biology Centre, evaluating the suitability of recent advances in machine learning to applications in automated diagnostic medicine.
- Wrote, adapted and evaluated machine-learning algorithms to optimally merge diagnostic predictions from existing models.

Synova Capital – (1 - 26 Sept 2014):

- 4-week research project mapping the state and structure of the financial technology ('fintech') sector to identifying interesting opportunities and specific companies for future investment.
- Presented my findings and analysis to Synova's senior investment board.

ReechAIM-CBRE LLP – (11 - 29 July 2010):

- 3-week internship under the supervision of portfolio manager Steven Ashworth.
- Market analysis and research for regular presentations.
- Experience of back/middle-office duties such as daily reconciliation tasks.
- Shadowed the traders throughout their day and engaged in simulated trading of my own, justifying each decision to my supervisors.

Assistant Instructor, Queen Mary Sailing School – 2006-7:

- Teaching and stewarding position alongside full instructors during sailing courses and weekly fleet racing events.
- Experience teaching new and unfamiliar skills to both adults and children.
- Experience in a role of authority and responsibility.
- Strengthened communication and interpersonal skills.

Sound Designer/Operator & Technical Crewmember, Collyer Hall Theatre, KCS – 2008-11:

- Regular and intensive theatrical/musical projects, including Friends of KCS Annual Fireworks Display.
- Experience of teamwork and working alongside others in specialized technical roles.
- Experience working under intense time pressure to solve complex problems on-the-fly.
- Augmented and enhanced my technological problem solving skills.