

Curriculum Vitae

Philip Winchester (24)

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Nationality: British and Swedish

Education

- 2019-Present **DPhil in Mathematics**
Oxford Centre for Industrial and Applied Mathematics (OCIAM)
University of Oxford, UK
- 2014-2018 **MSci. in Mathematics and Physics within the Natural Sciences Programme**
First Class
Durham University, UK
- Modules included:**
Partial Differential Equations, 85%
Dynamical Systems, 86%
Continuum Mechanics, 84%
Solitons, 85%
- Final Year Project:** Theoretical Formulation of the Magnetic Monopole, 88%.
Analysing the theoretical formulation of the magnetic monopole. I studied the Yang-Mills equation extensively and learnt about soliton solutions and their topological nature in $(1+3)d$.
- 2012-2014 **A-levels** at Eastbourne College, Eastbourne, UK
Mathematics, A*
Further Mathematics, A*
Physics, A*
Chemistry, A*
School Prefect and Deputy Head of House in my final year

Work Experience

- 2018-2019 **Trainee Consultant, Barnett Waddingham (Amersham, UK)**
Following a successful internship with Barnett Waddingham during the summer of 2017, I spent a whole year working as a Trainee Consultant with the firm. I worked across trustee and investment consulting teams valuing pensions and providing advice to clients on how to fund their pension scheme.
- 2017-2018 **Assignment Marker, Durham University, UK**
Marking student assignments in Complex Analysis and Analysis in Many Variables.

2014–2016 **Science and Mathematics Teacher, Rydeback School, Sweden**
During holidays from my university studies, I worked as a teacher and tutor at Rydeback School in Helsingborg, Sweden - Writing lesson plans and conducting lessons in mathematics and the sciences to classes of up to 30 students.

Courses Taken

2018 **Data Science, Harvardx on edX**
Currently working my way through a family of online Data Science courses offered by Harvardx. Course topics include wrangling and machine learning in R.

2016 **Introduction to Computer Science and Programming Using Python, MITx on edX**
Successfully completed a 10 week online course in Python offered by MITx, 98%.

Interests

Blogging I write a programming blog on topics that interest me. In particular, sports betting and quantitative finance. <https://philipwinchester.github.io/>.

Sports Played football at a high level and basketball, running and calisthenics at a lower level whilst at University. I work as a qualified football referee in my spare time and captained my College's 1st football XI.

Fitness Run over 15 miles every week along with a regular gym schedule.

Languages

English Native or bilingual proficiency

Swedish Native or bilingual proficiency

Computer Skills

Programming Good knowledge of: Python, R, Tableau

Markup Good knowledge of: Latex

References

Dr D Dorigoni **Project Supervisor**
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Dr S F Ross **Academic Advisor**
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