

Peadar Coyle

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📄 <http://about.me/peadarcoyle>



Experience

- Summer 2009 **Data Scientist Intern**, *EightMouths*, Shanghai.
Worked on product design and market research for a new dating website product at a startup
- Wrote code in Python based on graph theory
 - Researched and presented in-house papers on Statistical Inference
 - Market research and product design
 - Consultancy work on image recognition
- Sept 2008 - **Technician**, *Our Ladys Grammar School*, Newry.
- June 2010 Supervised and tutored A Level Physics
- IT Support
 - Administrative Work
 - Ran and organised workshops on 'Mathematics in Physics' and 'Physics of Flight'
 - Tutoring students

Education

- 2010- **MSc**, *University of Luxembourg*, Luxembourg.
Ongoing Masters in Mathematics
- 2005-2008 **BSc**, *University of Bristol*, UK.
Bachelors in Physics and Philosophy

Bachelors thesis

- title *On the Anholonomy of Light in Coiled Optical Fibers*
- advisor Mark Dennis, University of Bristol
- description Compared two variants of the geometric phase in Optics, utilizing fiber bundle theory

Computer skills

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|----------|---|-----------|----------------------------------|
| Super | Matlab, Java, Python | Good | Shell, Ruby, \LaTeX , R |
| Passable | C, Lisp | Platforms | Linux, Android |
| Concepts | Distributed Algorithms, Machine Learning, System Administration | Avoid | Microsoft Office |

Mathematics Skills

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|----------|--|------|--|
| Concepts | Stochastic Analysis, Homological Algebra, Complex Analysis, Topology | Good | Network Theory, Complex Systems, Statistical Learning Theory |
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Interests

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|------------|---|-----------|---|
| UX | End-user design, User Experience | Software | Linux |
| Algorithms | Developing and understanding algorithms | Writing | http://www.peadarcoyle.wordpress.com |
| Health | Rugby, Weightlifting, Rock Climbing | Languages | Mandarin Chinese |