Sebastian Grubb

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Nationality: British and French

LinkedIn
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GitHub
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Education

2010-2014 — London, UK
Imperial College London - *M.Eng Electrical and Electronic Engineering* — First Class Degree

• Masters Project: *Active Sample Selection for Large Scale Matrix Completion* | Supervisor: Moez Draief
Research into providing execution time of recommender systems by intelligently selecting unknown cells in matrices. Work featured in best final year projects.

• Modules include: Mathematics, Advanced Signal Processing, Probability and Stochastic Processes, Optimisation, Machine Learning for Computer Vision, Intelligent Data & Probablistic Inference, Spectral Estimation and Adaptive Signal Processing and Real-Time Signal Processing

• Third Year Project: Led a group of 8 people in planning and assembling a home energy optimisation system. Researched and developped algorithms for presence detection (using a HMM) as well as temperature estimation (using Gaussian Process Regression).

2008-2010 — Paris, France
International School of Paris – *International Baccalaureate* — 742 UCAS points

• Obtained 42 out of 45 points with 4 higher level subjects (Top 1% out of 50,000 international candidates)

Skills

Technical Skills (ranked by experience)

• Programming Languages: Python, MATLAB, C, C++, Javascript, Assembly, HTML,Ruby, R, Perl and Java
• Technologies: Linux, Flask, MongoDB, SQL, RabbitMQ, Twitter Bootstrap, jQuery, Nginx, Adobe Creative Suite, algorithm design for use in large datasets, AWS, embedded hardware development, Google Analytics, Facebook Ads

Languages

• French (native) • English (native) • German (conversational)

Awards and Achievements

2011-2014 — Cambridge, UK
UKESF Scholarship *(Awarded £1,500/year for 3 years)*

• The UKESF (UK Electronic Skills Foundation) scholarship is awarded the best students in Electronic Engineering and Computer Science at any of the 8 UK partner universities

2010 — London, UK
Maurice Hancock Award for outstanding results *(Awarded £1,000)*

• Presented to top 10 incoming students (out of 200) of Electronic & Electrical Engineering

Experience

Oct 16 - Now — Mountain View, USA
Google (Android) – *Associate Product Manager II*

• Led engineering team
• Responsible for the product's key metrics and used insights to guide decisions of product planning

Mai 15-Oct 16 — Zürich, CH
Google (YouTube) – *Associate Product Manager I*

• Led an engineering team in launching new features in YouTube Analytics including: new demographics report, new ad rates reporting and introduced watch time as the main reporting metric (replacing views). Tested new concepts with A/B tests
• Responsible for the product's key metrics and used insights to guide decisions of product planning

Jul 14-Mar 15 — London, UK
Eddy Labs (Founder.org Class of 2015) – *Machine Learning Engineer*

• Eddy is a home automation startup that, by the use of sound, detects a wide range of home events
• Fully designed software roadmap for product. Wrote initial alpha prototype in Python on Raspberry Pi. Machine learning techniques used included: Bayes net, neural networks and SVM.
• Build first iterations of technology stack: website, back-end, signal processing and activity detection

October 2013 — Milan, Italy
The Boston Consulting Group – *Unlim-IT-ed (European IT Business Strategy 3 day Workshop)*

• One of 50 students selected for a course on how technology-based innovations create competitive advantage
• Worked in a team on IT strategy project to turnaround insurance company with findings presented to CEO

July-Sept 13 — Cambridge, UK
ARM Holdings plc – *Product Management and Marketing Intern*

• Worked in a team of product managers conducting competitive analysis on products and companies to help with the launch of a microprocessor across automotive, consumer electronics and industrial markets
• Identified features to be implemented in future microprocessors to maintain competitive advantage
• Wrote low-level Fast-Fourier Transform implementation for benchmarking purposes with results being published on the ARM website.
• Complimented for providing a fresh view to the team in presenting market analysis, product findings and suggestions in appropriate matrix or 2D graph views, allowing clear communication of ideas

July-Sept 12 — Cambridge, UK
ARM Holdings plc – *Summer Engineer Intern*

• Created a new software tagging language in Perl for use in a processor security module by analysing the strengths and weaknesses of a previously used language (XSLT)
• Designed a text pattern detection program to efficiently tag data in very large text/VHDL files

April 2012 — London, UK
J.P.Morgan – *Technical Spring Week Intern*

• 3rd best team in a programming and presentation challenge organized over a period of 2 days

Responsibilities

2012-2014 **Imperial Entrepreneurs** – *Technical Director (2012-13 and 2013-14 academic year)*
London, UK • Work with rest of committee to help run and delegate society's daily operations as well as events such as Silicon Valley Comes to Imperial or Ideas Empowered (a seed funding competition)
• Designed and implemented the society's new wesbite for the "Silicon Valley comes to Imperial" iniative

2011-2012 **Imperial College LGBT** (Welfare Society) – *Media Officer*
London, UK • Fully rebranded society, analysed website analytics to implement new site and decreased bounce rate by 35%

Interests

Travel • Organized and budgeted trips to the Shanghai World Expo as well as a Romanian Orphanage to volunteer

Technology • Started programming at the age of 13 by making games in Ruby and other small programs
• Designed websites for multiple Imperial student societies as well as group projects

Sports • Compete in 5 to 10km races for Imperial Athletics in BUCS (British inter-university sport competition)
• Regularly cycled London to Cambridge (90km) during summer 2013

Reading • Enjoy books on behavioural economics such as 'Thinking, Fast and Slow' and 'Predictably Irrational'