

Profile

Age
23

Home
Central London

Languages
English, limited French

Java, Python, PHP, SQL, JS

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Education

2017-18 **Management (MLitt, Distinction) – University of St. Andrews**
- *Thesis: "Personalised Pricing in an Offline Context – A Marketing Application of Machine Learning to the Retail Shelf"*

2014-17 **Computer Science (BSc, 2.1 Hons.) – Durham University**
- *Dissertation: developed EssaySlimmer.com (AI NLP processor)*
- *Broad topics: multi-paradigm programming, network engineering, computer architecture, computer vision, AI search, formal computational theory, DBs & scalable systems*

2007-14 **Secondary Education – Ballakermeen High School**
- *A Levels: AABA* in Maths, Economics, Physics and GS*

Skills

Networks Traffic management, VPLS P2P fundamentals, data centre network operations, Bloomberg circuits, HA network design

Solutions Windows Server and Linux
SQL Server and MySQL administration
VMware basics and Hyper-V
SAN administration and site-to-site replication
Exchange fundamentals and elementary CUCM

Software Bloomberg, proprietary trading applications, Office support

Hardware Workstation builds, data centre hardware maintenance, rack patching, phone & laptop deployment

Interests

Systematic hedging, algorithmic portfolio management, high availability engineering, AI/ML, making things scale horizontally, pubs with long history

Leadership & Awards

St. Andrews - Dean's List for Academic Excellence

Durham - **Chosen:** Undergraduate Faculty Rep for Science
- **Elected twice:** Course Rep for Computer Science
- *Outstanding Contribution to Academic Representation* award

School - Deputy Head Boy
- Winner of Young Enterprise/Junior Achievement scheme
- Captain of rugby team

Availability

One months' notice

Employment

- 2019** **Systems Administrator – The D. E. Shaw Group**
Global macro sysadmin at one of the world's largest hedge funds.
- 2018-19** **IT Engineer – Rokos Capital Management**
First job, working at a major USD global macro hedge fund. Operating in a high-pressure environment, my responsibilities were broad, from core systems infrastructure checks, data centre support and morning startup to Bloomberg support and workstation builds for high profile rates, equities and forex traders.
- I gained wide exposure at a multibillion-dollar Mayfair operation to trading platform management, market data systems and HA infrastructure management where 24x7 availability is mandatory.

Internships

- 2017** **Volunteering – University College, Durham University**
I developed a scalable event management system for very competitive university formal dinners that sell out in seconds. The software was a success and handled over 1,400 meals in weeks. I also developed an anonymous messaging system for student welfare. I was awarded a bursary for this by the Master.
- 2016** **Intern – Natural Environment Research Council (sponsored by BP)**
I produced a Java GUI to help chemists automate job submissions to the University HPC for molecular dynamics simulations. Many chemists were unfamiliar with Unix so a GUI to handle all SSH would save plenty academic time. The chemistry itself was in relation to clay permeability for enhanced oil recovery.
- 2014** **Intern – Domicilium Networks**
I worked on a small research project at a cloud computing data centre, to recommend technical options for a PaaS product the company was developing, aiding an important business release.
- 2014** **Intern – Ramsey Crookall**
I spent two months at an LSE-registered stockbroker. My responsibilities ranged from validating customer KYC, examining transactional records in securities, maintaining and managing the files of accounts and administering customer records.
- 2012** **Intern – Manx Telecom**
Working in the NOC and data centres at Europe's first 3G network. I shadowed engineers in the network core to solve traffic problems, setting up call routes and doing morning checks, gaining a concise knowledge of signalling, critical systems control and IP transport.