

PERSONAL PROFILE

I am an experienced technical author and researcher with over a decade working in computer network research.

- Highly proficient author with experience of writing everything from Internet standards and whitepapers to user guides and marketing collateral.
- Proficient editor and proof-reader for both technical and non-technical publications.
- Extensive leadership and management experience. Completed BT's graduate management course and have acted as a line manager at work and at university.
- Experience of developing, testing and launching new products and apps (I have worked as a product manager, scrum master and QA lead).
- Helpful, positive and flexible, with a love of problem solving and a passion for creating new concepts.

RECENT WORK EXPERIENCE

2016-present **Freelance author and graphic designer**

I have been working as a freelance technical writer, researcher and analyst for various startups whilst completing corrections on my PhD. Gained experience with IoT, FinTech and banking.

Key Skills: API guides, user documentation, financial analysis, competitor research, data visualisation.

2014-2016 **Senior Research Engineer** in the Emerging Technology team at **OnApp**

OnApp are a company specialising in cloud middleware. My role was extremely varied and included:

- **Technical Author.** I was responsible for writing whitepapers, user guides, marketing collateral and editing EU research deliverables. Able to deliver content for a wide variety of audiences ranging from CxOs to end users. Able to explain complex technical concepts to non-technical audiences.
- **Scrum Master.** I managed a distributed team of 8 developers, assigning tickets, clearing the backlog and running scrum stand-ups, retrospectives, etc. I was in charge of the full build, test and release process.
- **Product Manager.** I worked on our Disaster Recovery as a Service product. This included UI/UX, feature prioritisation, documentation, training and presenting the work at CxO level.

Key Skills: Documentation, Scrum, Jira, Planning, CI/CT, Release management, UI/UX.

2012 **Internship for Microsoft Research** in Cambridge.

I worked on a project developing a new networking paradigm for data centres. This work was published in **SIGCOMM**, the leading venue for the field. I was extensively involved in writing and editing this paper.

Key Skills: Research, C++, oTCL, technical writing, network calculus, TCP/IP

2011 **QA Lead for Hailo** (now MyTaxi)

I led the small team of test engineers as we went from alpha to full commercial launch. This included manual test plans, regression testing and field-testing. I had to juggle the intense release cycle with rigorous testing.

Key Skills: test planning, manual testing, regression testing, mobility testing, line management.

2006-2010 **Senior Researcher, BT Networks Research Lab**

I completed BT's Grad scheme, which included leadership, project management and presentation skills. I was the only one in my cohort to be promoted immediately on leaving the grad scheme. As a Senior Researcher I specialised in Future Internet research and successfully managed an MoD-funded research project.

Key Skills: project management, agile methodology, leadership, research, Internet standards.

EDUCATION

2011-2018 **University of Cambridge** **PhD.**

My thesis is on *Optimising Data Centre Operation by Removing the Transport Bottleneck*. It explores novel mechanisms for low latency networking within data centres. This has triggered the creation of a new Internet Standards working group. I have worked extensively on network simulations using ns2 and have significantly improved the performance of the simulator by re-writing the underlying C++ data capture code. I was awarded a Google Scholarship in 2013.

2003-2006 **University of Essex** **PhD.** (not awarded)

I spent over 2 years working towards a PhD in Grid Networking before I realised that the field I was working in no longer interested me and that I was not receiving the support I needed. I subsequently joined BT Research as a Graduate Researcher before being promoted to Senior Researcher.

1999-2003 **University of Essex** **MEng**

I graduated with a Distinction in **Electronic and Telecommunications Systems Engineering**. I was the top student in my year. My final year project was looking at creating the control plane for a photonic router.

LEADERSHIP EXPERIENCE

Whilst at the University of Cambridge I was **Vice President** of my College's Students' Association, the elected student body responsible for all social and sporting activities within the college. As VP I was also a member of the College's Governing Council. One of my main achievements was to write a new constitution for the Students' Association and to get this formally adopted by the college.

In 2013 I was **President** of the organising committee for my College's annual ball. This was a large-scale all-night event for 800 guests. The budget was approximately £25,000 for the night. The event gave me experience of organising a large event on a tight budget, managing a large team, coping with last minute changes of plan (one of our main acts pulled out the day before) and liaising with all the relevant authorities before, during and after the event to ensure it ran smoothly.

I spent 5 years volunteering for **St John Ambulance**, starting when I was at the University of Essex. I helped to set up and run a university-based unit, transforming it from a simple provider of first aid training to a fully active unit providing cover for large-scale events on- and off-campus. Following this I subsequently became a **County Staff Officer** responsible for all members aged 18-25. I was also a qualified ambulance technician, which gave me experience of dealing with extremely high-pressure, emergency situations.

HOBBIES AND INTERESTS

I love cooking, good food and wine. I have cooked the family Christmas Dinner since I was a teenager and am sometimes asked why I haven't become a professional chef (the answer is, I'd stop enjoying it so much if I did).

I have a strong interest in the "maker movement". One of the coolest things I created was a prototype of an interactive streetlight that uses a grid of programmable LEDs to display real-time traffic information.

I love the outdoors and have always been keen on climbing and hiking. From this I have developed a love of landscape and wildlife photography.

OTHER SKILLS

Languages: I have been learning German in my spare time and am currently at approximately AS standard. I also have some French, though I haven't studied it recently.

Driving: I have a full, clean UK driving license, including C1 and D1 categories. I have extensive experience driving minibuses and vans.

First Aid: I have wide-ranging First Aid experience gained through my time in St John Ambulance, although currently my FAW certificate has lapsed.