

Edward JF Seabrook

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Education

University of Southampton (2010 – 2014)

MEng Computer Science Pt. 4 – Averages: Yr.1 – 78.5%, Yr.2 – 78.25%, Yr.3 – 82.2% (First Class)

Awarded Zepler scholarship four times (A-Level results, then in top 10% in years 1, 2 and 3)

Awarded Netcraft Prize for year 2 results.

Awarded Adam Rutherford Memorial Prize for top mark in Computer Networks module in year 2.

Maidstone Grammar School (2003 – 2010)

A-levels – A*s in Computing, Maths and Physics and A in Chemistry.

GCSE – 4A*s, 5As and 2Bs.

Technology Work Experience

Bloomberg L.P. – Financial Software Development Intern – *July 2013 to September 2013*

Used Apache Lucene/Solr along with a variety of internal tools to create a system that enables fast searching of very large log files. Programmed mainly in C++ and JavaScript, unit tested with Google test.

Ocado – Technology Intern – *June 2012 to September 2012*

Developed an order tracking system using Google App Engine with GWT. Discovered Java Enterprise software and Scrum. Presented and demonstrated to colleagues including board of directors.

Buckle Consulting – Web Developer – *May 2011 to October 2011*

Built websites using technologies including HTML, CSS, PHP, JQuery and MySQL. Learned to work well with customers. Became familiar with version control software (e.g. SVN, or preferably Git).

BT – Research & Development Work Experience – *July 2009*

Undertook a research project into thin clients for year 12 work experience. Wrote up findings as a report and presented to BT Innovate team at BT's Ipswich offices.

General Work Experience

ASDA – Night Replenishment Assistant – *July 2011 to October 2011*

Maidstone Leisure Trust – Lifeguard – *December 2009 to October 2010*

Crystals Coaches – Tech Support – *April 2006 to October 2010*

GFK – Mystery Shopper – *July 2010 to October 2010*

Self Employed – 11+ Tutor – *April 2009 to September 2009*

Projects

Third Year Project – Implementing Zero Configuration OSPFv3 – *October 2012 to July 2013*

Augmented Quagga, the open source routing daemon (ospfv6d), to conform with [draft-ietf-ospf-ospfv3-autoconfig-04](#) and [draft-arkko-homenet-prefix-assignment-04](#). Expanded knowledge of network protocols while working on large C code base. Became well acquainted with structs, pointers and casts.

Activities

IETF 87 - *August 2013* – One off

Attended the 87th IETF meeting in Berlin to interoperability test third year project code with existing implementations. Gained valuable insight into the processes behind development of internet protocols.

Student Robotics - *September 2010 to Present* – Weekly

Working with a team to organise and run annual competitions for sixth form and college students building autonomous robots that compete in performing various tasks. On the Treasury from 2011 to 2013.

ECS Student Helper – *July 2011 to Present* – Occasional

Representing ECS at university open days, informing prospective students about the department. Helping run careers fairs, ensuring companies feel welcome. Showing new students the campus and surroundings.

British Informatics Olympiad – *November 2003 to November 2009* – Annually

Through programming club, entered the British Informatics Olympiad programming competition every year of secondary school. In final year obtained only distinction in school. Programmed in Pascal.

DoE & Scouting – *August 2001 to January 2010* – Weekly

Attended local Cub Scout group from the age of 10 progressing through Scouts and Explorers. Volunteered as a junior leader for two years while working towards Bronze Duke of Edinburgh award.

Skills

Programming – Experience with many languages including Java, C, C++, Python, Scheme and JavaScript.

Unix – Adept with Linux and Solaris, comfortable with command line tools: vim, grep, ssh, git, etc.

Networks – Strong interest in IPv6, OSPFv3 and related layer 2 and 3 technologies.