

Andrew Davidson

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Date of Birth: 10/1/1991

Nationality: British

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I have attained BSc Computer Science (1st Class Honours) from the University of Birmingham, UK.

At present, I work for UBS Investment Bank as a Software Engineer in OTC Derivatives. Outside of work, I enjoy developing my own software projects.

I have well-developed interpersonal skills and the ability to work both in a team and independently. I would add value to any area of your organisation due to my enthusiastic work ethic, strong communication skills and the ability to cope well under pressure.

Employment History

September 2013 - Present

Position: **Group Technology Graduate (Software Development) at UBS Investment Bank**

- Part of a team designing and developing a suite of applications supporting UBS's OTC Derivatives business. Predominately coding Java.
- Graduated top-of-class at 3-week global UBS Group Technology graduate course held in Stamford and New York, USA.
- Led my team in a 10-day Hackathon - only team to complete a well-received working model.
- Evaluation commented on excellent leadership qualities, technical expertise and willingness to help [thus improving] others' contribution.
- Practising Agile Development, Test-Driven Development behaviours and Pair Programming within the team.
- Elected position on the GTPNet Graduate Networking Society Committee - this organises events for all UBS Graduates.
- Have represented UBS at numerous Software Development Conferences.
- Also on the team organising UBS London's first Hackathon, and am involved in driving Lean business ideas and a War on Waste within Tech.

July 2012 - August 2012 (10 Weeks)

Position: **Group Technology Summer Internship (Software Development) at UBS Investment Bank**

- Developed for the in-house Credit Derivatives Settlements system.
- Learnt and participated in Agile Development methods, including Scrum.
- Completed solo project – allocated 10 weeks, completed in 5 – to add a new connection isolation mode to extend business-readiness tests for new Settlements system releases.

July 2011 - July 2012

Position: **12 Month Industrial Placement - Developer at Nestlé UK**

- One of only a handful of software developers throughout Nestlé UK.
- Developed, supported and maintained the large bespoke systems utilised within Nestlé UK&I Logistics.
- Analysed requests for new tools and systems.
- Carried out independent projects to improve my team's effectiveness.
- Independently designed and developed an innovative new system to safely label loads, thereby obscuring sensitive identifying information. (see: "German Tank Problem")
- Introduced new systems using not previously considered technologies - e.g. Sending the status of servers to my team's iPhones via Push Notifications.

January 2010 - July 2010

Position: University of Birmingham Computer Science Student Ambassador

September 2006 - April 2009

Position: Saturday Assistant and IT Specialist at an independent opticians

Education and Qualifications

- Graduated 2013 University of Birmingham

BSc(Hons) Computer Science with an Industrial Year - *First Class Honours*

- Queen Elizabeth School for Boys, Barnet

A2 Levels (June 2009): Art (A) Computing (B) Physics (C)

350 UCAS Points

AS Levels: Mathematics Critical Thinking

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Achievements and Awards

- Evaluated as top in class for Technical Expertise at global Graduate Group Technology event at UBS Investment Bank and Wealth Management in Stamford, CT, and New York.
- My Dissertation was very well received at University, and received grade of First Class.
- Received £1000 Award for Academic Excellence from University of Birmingham.
- Invited to take part in market research for Microsoft at The Research House, London W1 in Sept 2010.
- Participated in Young Rewired State at Google and featured in BBC News website article - August 2009.
- Completed Duke of Edinburgh Gold Award in 2009. Presented by the Duke of Edinburgh on 30/11/10.
- Represented my University at the British University Karting Championships in 2010 - 2013 (A-team).
- Volunteered as a Youth Leader at local Mill Hill Youth Club after-school club 2007 - 2009.

IT Skills

- Very proficient in Java and .Net languages including C#.
 - Experience using the Spring Framework and the database persistence framework, Hibernate.
- Experience in developing iOS Applications in Objective-C.
- Experience in other Object Orientated Design - Knowledge of SOLID principles and good design patterns.
- Knowledgeable in PHP, ASP, JSP servlets and Javascript (including JQuery and server-side Node.js), as well as HTML5 and CSS.
- Experience of Agile Development Methodologies in a business environment – including Scrum.
 - Use of User Stories and Specification By Example (SBEs) to ensure clients' needs are met.
 - Use of Pair Programming and striving for quality Clean Code.
- Test Driven Development
 - Knowledgeable of Read, Green, Refactor; the 3As; Single Assert Rule; Good Test Composition and role of Mocking.
- Familiar with common Oracle and Sybase SQL syntax and experience in scripting reports with PL/SQL.
- Experience working with the JBehave Behaviour-Driven Development testing framework.
- Familiar with Version Control Systems - Git (with collaboration on GitHub) and SVN.

Technology Conferences and Events

I have represented UBS at:

- Software Craftsmanship 2013 at Bletchley Park.
- QCon London 2014 at The Queen Elizabeth II Conference Centre, Westminster.
- "Devs Love Bacon" at ETC Venues, St Paul's, City of London.
- Devovx London 2014 at Business Design Center, Islington.

Israel Tech Challenge, 10-day programme during Summer 2014:

- I was selected as one of 30 top young technologists from hundreds of applications around the world.
- The trip included visits and lectures from world-class universities, startups and international technology firms like Google, eBay, Checkpoint and many more.
- At a 2-day Hackathon held at PayPal's Tel Aviv office on the topic of 'Smart Cities', my team's application to intelligently collect population data was very well received and a high level of technical complexity.

Leisure Activities

Sport: At University, I was an active member of the Motor Sport Society. I represented my University in the A-team at the annual British University Karting Championships 2010 - 2013. I now head the Birmingham Alumni Motor Sport Society. I also enjoy cycling, tennis, squash and skiing.

Hobbies: I have a keen interest in photography and have a popular Flickr profile ('adav') to showcase my photos. Periodically, I enrol in open-access Language courses - most recently studying German for a year in 2012. I have played the guitar for many years. After recently taking up the ukelele, I now play weekly in a group jam in East London.

References

John Carrette - Line Manager, Nestlé john.carrette@uk.nestle.com 01904 603704
Mirco Musolesi - Senior Lecturer, University of Birmingham m.musolesi@cs.bham.ac.uk
Further references are available on request.