

Horatio Caine

London, UK

Home page: hxcaine.com

Contact: hxcaine.com/contact

Profile

As a dedicated, motivated and business-minded software developer, I enjoy tackling problems of all sizes. My positive attitude and focused mindset allow me to combine logic and creativity to find the best solutions. Technology excites me because it is fast-moving and dynamic. I believe that learning quickly and keeping an open mind is the only way to stay ahead and fulfill my aim of making information more useful and available.

Awards and Achievements

Work:

- Appointed 'Technology Representative' for my team at Bloomberg
- Principal inventor on a published patent while at IBM
- One of six national 'High Fliers' at the Times Graduate Recruitment Awards 2013
- Best Project Presentation Award at a Bloomberg showcase of intern projects
- People's Choice Award at an IBM innovation event (presenting my team's work)
- Chosen to judge in regional debating competitions at Debate Mate

Education:

- Best Student in Computer Science Award
- Best Second Year Computer Science Student 2010/11
- Science Undergraduate Prize
- AimHigher Outstanding Achievement 2008 Award
- Allen Murray Centenary Scholarship
- Academic Excellence Scholarship
- AVD Interview Scholarship
- Birmingham Scholarship

Personal:

- Won "Most Likely to be Bought by Google" award at Young Rewired State hackathon, Google HQ
- Created Android apps in Google Play Store (e.g. *Quotation Keeper*) during first year of university
- Created Youth Culture Consultation workshops for executives at the Co-operative Bank
- Won the Jack Petchey outstanding achiever award for acting at Hampstead Theatre

Languages

C++ / C
Javascript
Java
Python
Bash
SQL

Tools/Platforms

Unix
Git
Emacs
Eclipse
Bloomberg
Android

Other

Agile / Scrum
Technical hiring
Mentoring / education
Finance
Project management
System architecture

Work Experience

Bloomberg – London, EC2A 1PQ

September 2013 – *Present*

Software Developer

- Member of 'Market and Order Data Analytics' team within Cross-Asset Trading
- Developing a high-reliability trading distribution infrastructure in **C++**
- Exposure from **backend** service architecture to **frontend** applications and UX in **Javascript**
- Regular client contact for a high-profile compliance system (>100m daily hits)
- Project management and Business interaction within **Agile/Scrum**
- Involved in **hiring**/interviewing and representing Bloomberg at external events/hackathons
- Delivering **education** to new graduates/interns and mentoring

University of Birmingham – B15 2TT

June 2013 – August 2013

Research Associate

- **Academic research** role within the EU-commissioned EPiCS Project
- Focused on the field of **meta-self-awareness** in distributed systems
- Built on my previous work, and that of Dr Peter Lewis and Prof Xin Yao
- Made my camera tracking/optimisation simulation code available for academic use
- Contributed to a **Ruby** ‘self-awareness toolkit’ for use in research

Bloomberg – London, EC2A 1PQ

June – September 2012

Financial Software Developer

- Internship in the Mobile Professional team
- Personally architected and developed a large-scale back-end system from scratch
- Created a scalable, distributed set of tools in **Hadoop** and **MapReduce**
- Developed a robust, high-performance storage and analysis system with **HBase** and **Pig**
- Back-end services in **Java** and **Python**, front-end service in **C++** within **Unix** environments
- Created visualisations of massive data sets in **Splunk**

IBM – Hursley Laboratories, SO21 2JN

July 2011 – June 2012

Software Engineer, MDM Workbench Development

- Worked in a global team of developers, across five time zones
- Mixture of developing new features and maintenance/fixing defects
- Main technologies used: **Java**, **J2EE**, **JET**, **Ant**, **JUnit**, **DB2**, **SQL**, **WebSphere**, **EMF**, **XML**
- Used **Agile** methodologies with Scrum
- Various development and source control environments: Rational (**RSA**, **RTC**), **CVS**, **SVN**
- Lead architect in a small team, building a ‘smarter planet’ system from scratch

Debate Mate – London, SE1 0EH

October 2009 – June 2010

Debating mentor (part time)

- Co-ordinated debate workshops and events in multiple secondary schools
- Taught students effective debating, presentation and communication skills

Education

BSc Computer Science (with Year in Industry)
University of Birmingham

2009-2013

First Class with Honours achieved (87% overall)

- Dissertation: *Prediction and Classification for Optimisation of Object Tracking in Market-Based Networks of Distributed Smart Cameras*
- Awarded 93%, as well as the **Distinguished Dissertation of the Year Award**

A-Levels completed at Ealing and West London College, London, W5

2007-2009

- Grades: **AAAA** in Physics, Chemistry, English Language/Literature, Use of Mathematics

GCSEs completed at St George’s Secondary School, London, W9

2002-2007

- Grades achieved: **A* A* A* A A A B C**

Interests

Above anything else in life, I enjoy learning and experiencing new things. Outside of my technology interests, I have a passion for classical literature and theatre – particularly Shakespearean works. I also enjoy all kinds of public speaking, and love to learn about people and cultures by travelling to new and unknown places.