

Thomas Brian Clarke

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Profile:

A degree in Computer Science is allowing me to explore my interests and fuel my passion for technology. I am task focused, have a positive attitude and an industrious work ethic, all of which are important for my degree and work. I can adapt to new environments quickly and deal with problems effectively, skills which I enjoy applying when working on projects.

Qualifications:

Currently studying: University of Birmingham - BSc in Computer Science with a Year in Industry – September 2014 to July 2018

- **1st Year Results** - Year average was 85%: Robotics (100%), Software Engineering (78%), Software Workshop Java (95%), Language and Logic (85%), Web Programming (88%), Foundations of Computer Science (with functional programming in OCaml) (82%), Artificial Intelligence (77%), Information Engineering (73%) and Multimedia Data (70%).
- **2nd Year Modules:** Software Systems Components, Functional Programming (in Haskell), Professional Computing, Mathematical Techniques for Computer Science, Computational Vision, Modules of Computation, Team Project, Computer Systems and Architecture, C/C++ and Computer Security.

John Cleveland College – September 2010 to August 2014

- **A Levels:** Mathematics (A*), Physics (A), I.C.T. (A), AS History (C), EPQ (A).
- **GCSEs:** 3 A*s, 6 As, 1 B and OCR Level 2 National Double Award in I.C.T. (Distinction).

Technical Skills:

- Strong programming in **Java** (good experience with the Eclipse IDE).
- Working knowledge of C#, MATLAB, OCaml, Haskell, HTML, CSS, JavaScript (including jQuery and D3.js), PHP and SQL.
- Experience with designing and creating experimental **data visualisations** (labs.majestic.com).
- Interest in **security**: member of the university's Hacking Society and taking module in Q1 2016.
- Programming **robots** using LeJOS.
- Good experience with version control system **Git**.
- Used to working with Windows and Linux.
- Basic knowledge of Android Development and Visual Basic.

Technical Work History:

- Software Developer, **Majestic**, July to September 2015: Using various web technologies and utilising D3.js, me and a team of 2 other developers are using the Majestic API to create data visualisations. The work can be seen at labs.majestic.com. I also represented Majestic at Leeds Hack 2015.
- Web Developer, Hinckley Homeless group, September 2015, Voluntary: I created a new website for Hinckley Homeless Group to replace their original one using an agile approach to development. The website is hinckleyhomeless.com.
- Software Tester, Crane Electronics Ltd., summer 2014: Exploring and testing a range of products to identify faults or problems and reporting them to the software engineer for revision. The main project was black box testing on an Android based device.

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Work History:

- Supervisor (promoted from sales assistant March 2015), Spar, October 2014 to present: I handle a large amount of responsibility ensuring the shop operates smoothly, gained skills in time management and delegation, and work as an integral team player.
- Garden Centre Assistant, Woodlands Nursery & Garden Centre, October 2013 to January 2014: I gained a set of core skills based around fast-paced customer service and communication.

Achievements and Interests:

- While at Majestic our best project used data on 50,000 Twitter accounts and displayed them in a sunburst diagram and I also worked on integrating Twitter into the project. The project was received excellently, and they used their trade mark '[Social Explorer](#)' on it as well as pushing it out as a headline on their blog and newsletters.
- Being a proactive player in a team competing in the Game Development Society's game jams.
- Attending various hackathons:
 - **AstonHack** where our team used [IBM Bluemix](#) to create an instant messaging web page and app that used features of Watson (like language translation) to make chatting online more entertaining.
 - **BrumHack 3.0** where our team created web application which used [Clarifai's](#) vision technology to get tags about contents of a picture, queried Wikipedia for more information and displayed the results to the user in an interactive D3 project.
 - I represented Majestic at [Leeds Hack](#) 2015 as a sponsor, where I gave a short introductory presentation on Majestic, and worked with the attendees on using the Majestic API in their projects.
 - **BrumHack 2.0** where our team created a fast-paced fighting game in Unity using C# and having to create extra C# programs to run within the game to gather information about various websites using Majestic's API.
- Member of the Computer Science, Games Development, and Hacking societies at university.
- **Tutored students** in GCSE Computing and A-Level Mathematics.
- I have participated in extra circular activities including:
 - An Extended Project Qualification (EPQ) based on creating an Android Application,
 - A Silver Crest Award based on Astronomy,
 - A v50 volunteering award.
- Bass guitar (achieved Merit at Grade 3).
- Socialising, live music and travelling.

References:

- **University of Birmingham** – Computer Science:
 - Dr. Hamid Dehghani
 - Email: h.dehghani@cs.bham.ac.uk
- **Majestic-12 Ltd:**
 - Steve Pitchford
 - Email: stevep@majesticseo.com