

## **Thomas Clarke**

See my LinkedIn for more contact information – [linkedin.com/in/tombclarke](https://www.linkedin.com/in/tombclarke)

### **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 for the real world of work. I have worked in several different working environments, all of which are giving me new experiences to help build myself and prepare me for my future. I can adapt to new environments quickly and deal with problems effectively.

### **Qualifications:**

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

- 2<sup>nd</sup> 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
- 1<sup>st</sup> 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%)

**John Cleveland College – September 2010 to August 2014**

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

### **Technical Skills:**

- I can program in Java (experienced with the Eclipse IDE), C# (used in Unity), MATLAB, OCaml, Haskell, HTML, CSS, JavaScript (including jQuery and D3.js), PHP and SQL.
- Experience with designing and creating experimental data visualisations (see [labs.majestic.com](https://labs.majestic.com)).
- Function programming experience.
- Programming robots using LeJOS and scoring 100% in this module.
- Good experience with version control system Git.
- Basic knowledge of Android Development and Visual Basic.

### **Work History:**

- 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.
- 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 <https://labs.majestic.com>. I also represented Majestic at Leeds Hack 2015.
- Supervisor (promoted from sales assistant March 2015), Spar, October 2014 to present: Responsibilities include supervising sales assistants, opening, closing and operating the shop, handling money, and handling customer queries.

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- 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.
- Garden Centre Assistant, Woodlands Nursery & Garden Centre, October 2013 to January 2014: Responsibilities involved fast-paced customer service and till working.
- IT Department, Aston Martin, Warwick, July 2011: Responsibilities involved building new computers for the assembly line and installing them across the factory.

### **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.
- Attending various hackathons:
  - I represented Majestic at Leeds Hack 2015 ([leedshack.org](http://leedshack.org)) 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.
- Taking part in UoB Games Development Society's Game Jams.
- Tutored in GCSE Computing and A-Level Mathematics.
- I have participated in extra circular activities including:
  - an EPQ (Extended Project Qualification) based on creating an Android Application,
  - a Silver Crest Award based on Astronomy,
  - a v50 volunteering award,
- Member of the Computer Science Society and Games Development Society.
- Bass guitar (achieved Merit at Grade 3).
- Socialising, live music, game design and travelling.

### **References:**

- University of Birmingham – Computer Science:
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