

Thomas Brian Clarke

tom@tombclarke.co.uk | linkedin.com/in/tombclarke | tombclarke.co.uk

Profile:

My 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.

Education:

University of Birmingham - BSc Computer Science with Industrial Year - September 2014 to July 2018

- **2nd Year Modules – 1st Class** – Year average was 80%: 2nd Year Modules: Software Systems Components (95%), Functional Programming (in Haskell) (96%), Professional Computing (81%), Mathematical Techniques for Computer Science (73%), Computational Vision (72%), Models of Computation (61%), Team Project (73%), Computer Systems and Architecture (74%), C/C++ (86%) and Computer Security (81%).
- **1st Year Results - 1st Class** - 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), 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).
 - For team project, I worked in a team to create an algorithm visualisation to build deterministic finite state automata.
- Working knowledge of C#, MATLAB, OCaml, Haskell, HTML, CSS, JavaScript, PHP and SQL.
- Experience with designing and creating experimental **data visualisations** (labs.majestic.com).
- 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.

Thomas Brian Clarke

tom@tombclarke.co.uk | linkedin.com/in/tombclarke | tombclarke.co.uk

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.
- 'The Majestic Universe' project achieved a place in the long list at the Kantar Information is Beautiful Awards 2015.
- Being a proactive player in a team competing in the Game Development Society's game jams.
- Attending various hackathons:
 - At **HackKings** our team used Pusher's technology to create a Google Chrome Extension allowing users to share their current webpage live with other users and forward actions (such as scrolling). We won Pusher's prize and came runners-up overall out of 23 projects.
 - **AstonHack** where our team used IBM Bluemix to create an instant messaging Meteor app that used features of Watson to make chatting online more entertaining.
 - 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.
- 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.