Matthew Consterdine

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Enthusiastic, hardworking, team-focused computer scientist looking to experiment, create and gain knowledge using technology.

Education

2014 ▶ 18 **University of Southampton, Southampton**
4 years   Fourth-year reading MEng Computer Science, averaging 69.5% and targeting a first. Earned the Zelper Scholarship.

First Year	Algorithmics, Systems, Data Management, Java, GUIs & Testing, Maths Foundations, Modelling & Design.
Second Year	Hardware, Intelligent Sys, Distributed Sys, Lang Concepts, Scheme, Engineering, and Computing Theory.
Third Year	Cyber Security, Game Design, Machine Learning, Management & Law, and Secure Systems.
Fourth Year	Automated Code Gen, Cryptography, Computational Finance, Intelligent Agents, and Web Architecture.
Dissertation	Lect.Me: A Real-Time, Interactive Presentation & E-Learning Platform.
Group Project	OneM2M Federation: Multi-Vendor Internet-of-Things.

Extracurricular activities include Folk, Game, Quidditch, Quiz, and other societies. Regularly involved with events such as Southampton Code Dojo, programming competitions including Bloomberg CodeCon, and attending subject talks.

2012 ▶ 14 **The Sixth Form College, Farnborough**
2 years   A* Electronics, A Mathematics, A Physics, C Chemistry, B Fine Art (AS). Attended a Game Development Club.

2007 ▶ 12 **Court Moor School, Fleet**
5 years   A* Computing, A* Maths, A* Physics, A* Biology, A* Chemistry, A Art, A Geography, A Statistics, B English, C Spanish.

Experience

2017   **Winchester Innovation - Remote Web Development Internship**
3 months Remote summer development internship focusing on web technologies such as Bootstrap, Silex PHP, Python, RESTful APIs, and JavaScript (ES6 and jQuery). Developed full-stack Raspberry Pi applications and automated deployment using bash. Minor Android development. Reinforced documentation, discipline, scheduling, and communication skills.

2016   **Blue Diamond, Redfield's - Customer Services**
3 months Worked four days a week assisting customers, along with helping various departments with tasks including supporting the team, stocking, delivering purchases to customers, assembling, and everything else. Enjoyed taking initiative.

2012 ▶ 13 **Bulldog Technology - Customer Services and Repair**
1 year   Helped customers with technology, quickly and efficiently handled sales, assisted with repairs, managed stock, and produced promotional material. Enjoyed helping, the responsibility, and learning about computer hardware and retail.

2010   **Sue Ryder - Three Months Volunteering**
2009   **Ramsey Associates - Week at a Software Developer**

Skills

Keen communicator and writer with a solid mathematical background. Love exploring computer science. Significant experience with assembly, functional, object-oriented and scripting programming. Understand data structures and algorithms. Proficient with Bash, C/C++/C#, Java, JavaScript, MATLAB, OCaml, PHP, Python, Scheme and more. Regularly use mark-up such as HTML5 and CSS, formats such as XML and JSON, plus other tools including Regex and SQL. Proficient using Docker, administering Linux, and managing databases. Developed for the Raspberry Pi. Experienced with Eclipse, Sublime, LaTeX, Office and Photoshop.

Projects

Run a blog, write about experiences and host many HTML5 toys. In pairs, designed then uploaded Unity3D games to itch.io with thousands of downloads. Created an OpenCL GPU accelerated fractal explorer. Thrice entered the Southampton Game Jam. Twice placed in Bloomberg CodeCons, competing in the grand finals. Last October our team won a BT cybersecurity CTF. In November, competed in the ACM ICPC. Designed programming languages. Regularly use Agile and Git, over 1000 commits in the last year.

Interests

Love exploring the world, discovering new experiences, and sharing photos. Visited Italy, France, Germany, Greece, Hong Kong, Singapore, the USA, with many trips to New Zealand. Enjoy swimming, gyming, and cycling into the countryside. Completed the Bronze DofE. Love games; cooperative, or competitive; Quidditch, Dungeons & Dragons, board games or video games. Film fan. Often listen to podcasts, music, and mixes. Like to cook. Enjoy learning and playing the flute. Hold a clean UK driving licence.

References available on request