

Matthew Consterdine

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Enthusiastic, hardworking, team-focused computer scientist looking to experiment, create, and learn about technology.

Education

❖ **University of Southampton**, from 2014 until 2018.

Fourth-year studying 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.

Second Year Hardware, Intelligent Sys, Distributed Sys, Lang Concepts, Scheme, Engineering, and Theory.

Third Year Cyber Security, Game Design, Machine Learning, Management & Law, and Secure Systems.

Fourth Year Automated Code Gen, Computational Finance, Intelligent Agents, Open Data, and Web Architecture.

Dissertation Lect.Me: A Real-Time, Interactive Presentation & E-Learning Platform.

Group Project OneM2M Federating: A 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 such as Bloomberg CodeCon, and attending talks.

❖ **The Sixth Form College, Farnborough**, from 2012 until 2014.

4 A-Levels: A★ Electronics, A Mathematics, A Physics, C Chemistry, B Fine Art (AS). Took part in a Game Dev Club.

❖ **Court Moor School, Fleet**, from 2007 until 2012.

11 GCSEs: A★ Computing, A★ Maths, A★ Physics, A★ Bio, A★ Chem, A Art, A Geography, A Stats, BB English, C Spanish.

Experience

❖ **Netcraft – Computer Scientist**, starting autumn 2018.

❖ **Winchester Innovation - Remote Web Development Internship**, during summer 2017.

Remote summer development internship focusing on web technologies such as Bootstrap, Silex PHP, Python, REST APIs, and JavaScript (ES6 and jQuery). Developed full-stack Raspberry Pi applications and automated deployment using bash. Android development. Reinforced documentation, discipline, scheduling, and communication skills.

❖ **Blue Diamond, Redfield's - Customer Services**, during summer 2016.

Worked four days a week assisting customers and helping various departments with tasks including supporting the team, stocking, delivering purchases to customers, assembling, and everything else. Enjoyed taking initiative.

❖ **Bulldog Technology - Customer Services and Repair**, from 2012 until 2013.

Helped customers with technology, quickly and efficiently handled sales, assisted with repairs, managed stock, and produced promo material. Enjoyed helping, the responsibility, and learning about computer hardware and retail.

❖ Other: Sue Ryder - Volunteer, during 2010; Ramsey Associates - Week at a Software Developer, a week during 2009.

Skills

Keen writer and communicator with a solid mathematical background. Love exploring computer science. Experienced with assembly, functional, and object-oriented programming. Understand data structures and algorithms. Proficient with Bash, C/C++/C#, Java, JavaScript, MATLAB, OCaml, PHP, Python, Scheme, plus VB.Net. Regularly use mark-up including HTML5 and CSS and tools such as Regex and SQL. Proficient with Docker, administering Linux using SCP/SSH, and database management. Developed for the Raspberry Pi. Use Eclipse, Sublime, Terminal, Office and Photoshop.

Projects

Run a blog. As pairs, created and uploaded many Unity3D games to itch.io with thousands of views and downloads. Created an OpenCL GPU accelerated fractal explorer. Thrice entered Southampton Game Jam. Twice competed in the Bloomberg CodeCon London grand finals. Last October our team won a BT cybersecurity CTF. Last November competed in the ACM ICPC. Designed programming languages. Regularly use Agile and Git with hundreds of commits last year.

Interests

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

References available on request

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