

Michael Agius
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Education

University of Oxford

- Reading for MCompPhil in Computer Science and Philosophy (2015-2019)
 - Topics include Functional, Imperative, and Concurrent Programming; Intelligent Systems; Security; Compilers; Networks
 - Gained 2.i (67%) in first year; 2.i (65%) in second year

Bexley Grammar School

- 10 GCSEs A*-A
- 39 points at IB
 - 7 in Computer Science and Maths Higher
 - 6 in Physics Higher and Psychology Standard
- Maths prefect in sixth form, helping talented younger students with extracurricular maths

Extracurricular

IT Officer for Hertford JCR 2017

- Assisting with the student body's IT issues
- Rebuilding the JCR [website](#) to include search, online canteen menu, and a live ballot system for choosing bedrooms
- Negotiating upgrades and direction for JCR infrastructure with college staff
- *Created using Google's Firebase for backend*

IT Officer and Designer for Hertford Ball 2017

- Designing and making a promotional [website](#), poster, filter, and wristbands; editing promo [video](#)
- Creating a wristband security system for collection and check-in for use on the night
- Maintaining site and managing issues on the night
- [Security system](#) made using Google's Firebase for backend

Group Practical Project 2017: AI Racing Marketplace

- Creating an online marketplace to store control scripts for a race car
- Showing script evolution over time with a tree, leaderboards, and statistics
- Creating a live simulation in Unity3D to test a given script on a generated track and return statistics
- Presenting technical aspects and business model to industry representatives
- Awarded one of four prizes for quality of product and presentation (out of 14 groups)
- *Created using HTML+CSS+JS for marketplace, C# for simulation in Unity3D; Version Control with git*

Co-Founder and IT Officer for Oxford University Biotech Society 2017

- Creating and designing brand and [website](#)

IT Officer for Oxford University Chemistry Society 2017

- Redesigning brand and [website](#)

Intranet Style Designer for Hertford College 2017

- Creating a look and feel for the college's new intranet system
- *Uses Microsoft SharePoint as backend*

Site Manager for Hertford College International Programmes Summer 2017

- Preparing room equipment and IT
- Assisting teachers and students with site issues

Timetabling software

- Creating software for an admissions conference, to organise 1300 students according to their subject preferences and available sessions on the day (previously done manually, saving 36 hours of work)
- Creating easy-to-use interface for event organisers to use the software
- *Written in Java; input formatted a CSV*

IT Officer for Young Enterprise company STAMP 2014

- Creating an online presence, website, video, and product design
- Presenting to judges and industry representatives
- Awarded two Best Presentation Awards, Best Company Award, and Green Award

Webgame Development

- Developing browser-based 2D games
- Writing a nodejs server for multiplayer
- Building environments in Unity3D
- *Originally designed using sockets and Swing in Java on Eclipse*

Other Awards

- Winner of G Research's Stock Market Hackathon at Oxford in 2017
- Winner of UKMT Maths Challenge Gold Medals 2008-2015, through to Olympiad in 2015; best in school in 2015
- 5th place in UKMT Group Maths Challenge in 2014