

MarcusMo

Contact

[Address and contact number redacted for online version]

me@marcusmo.co.uk
www.marcusmo.co.uk

Programming

C, C++

OpenMP, MPI
Nvidia CUDA

HTML5, CSS3
JavaScript, jQuery

Profile

Becoming a post-graduate allowed for further specialism in exciting areas such as high performance computing, data mining, and advanced numerical analysis; building upon the theoretical knowledge gained from studying Mathematics. Outside of academia, my passions involve experimenting with modern web technologies to develop performant and engaging experiences.

Education

2012–2013	MSc Scientific Computing Distinction <i>Parallelisation of Simultaneous Eigenvector Computations</i> Explored parallelisation techniques with respect to finding newforms via simultaneous Hecke eigenspaces; relating to the construction and tabulation of elliptic curves. A multi-threaded strategy was built, with Boost libraries, on top of an existing open-source C++ serial implementation: Eclib.	The University of Warwick
2009–2012	BSc Mathematics First Class (Hons.)	The University of Warwick
2007–2009	A-Level A-Level: AAA; AS-Level: A	Alcester Grammar School, Sixth Form
2002–2007	GCSE AS-Level: A; GCSE: A*A*A*A*A*A*A*A; GNVC: Distinction	St. Benedict's Catholic High School

Experience

2009–Present	LaTeX Tutorials <i>Designer, Developer, Chief Editor</i> Developed an interactive tutorial website, by compiling a database of common mathematical statements, for others to learn the typesetting language. Later collaborated with peers to provide online documentation on LaTeX, with a focus on simplicity and low-entry level experience. The site is used as an interactive teaching aid during seminars provided by the Warwick Maths Society.	latex tutorials.co.uk
2011–Present	Virtual Futures <i>Designer, Developer</i> Collaborated with organisers and artists to develop an online archive for past and future conferences; built with Wordpress.	virtual futures.co.uk
2010–2012	TEDxWarwick <i>Media Team Member, Design Consultant</i> Designed yearly event motifs, programmes and other advertising materials. Developed the TEDxWarwick 2011 website, and Facebook marketing pages for TEDxWarwick 2012.	tedxwarwick.co.uk
2011–2012	Warwick Student Cinema <i>Chief Editor</i> Organised and coordinated volunteers for copy-writing and graphics sourcing; contributing to the termly film programme. Provided training and support for QuarkXPress.	

Interests

professional: software development, high performance computing, parallel programming, web development and performance **personal:** badminton, mathematics, UX design, Go, typography.