MarcusMo

Contact

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Languages

English
Cantonese

Programming

C, C++, Java

OpenMP, MPI,
& Nvidia CUDA

HTML5, CSS3,
JavaScript, jQuery

LaTeX

Education

2012-2013 **MSc Scientific Computing**   The University of Warwick
Parallelisation of Simultaneous Eigenvector Computations
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.

2009-2012 **BSc Mathematics**   The University of Warwick
First Class (Hons.)

2007-2009 **A-Level**   Alcester Grammar School, Sixth Form
A-Level: AAA; AS-Level: A.

2002-2007 **GCSE**   St. Benedict's Catholic High School
AS-Level: A; GCSE: A*A*A*A*A*A*A*A*A; GNVQ: Distinction.

Experience

2009-Now **LaTeX Tutorials**   latextutorials.co.uk
Designer, Developer, Chief Editor
Founded the interactive tutorial website during first year of university. Designed and developed the entire site, while compiling a database of common mathematical statements. Later collaborated with peers to provide online documentation on LaTeX, with a focus on simplicity and low entry-level experience; later used alongside teaching sessions provided by the Warwick Maths Society.

2011-Now **Virtual Futures**   virtualfutures.co.uk
Designer, Developer
Collaborated with organisers and artists to design an online archive for past and future conferences. Developed and maintained the website, built with WordPress.

2010-2012 **TEDxWarwick**   tedxwarwick.com
Media Team Member, Design Consultant
Designed yearly event motifs, programmes and other marketing materials. Designed and developed the TEDxWarwick 2011 website, and Facebook marketing pages for TEDxWarwick 2012. Provided on-stage technical assistance.

2011-2012 **Warwick Student Cinema**
Chief Editor
Organised and coordinated volunteers for copy-writing and graphics sourcing; contributing to the Warwick Student Cinema termly film programme. Designed weekly promotional leaflets and posters. Provided education and support for QuarkXPress.

Interests

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