

Contact Education

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Programming

C, C++, Java

OpenMP, MPI
& Nvidia CUDA

HTML5, CSS3
JavaScript, jQuery

2012–2013

MSc Scientific Computing

The University of Warwick

Parallelisation of Simultaneous Eigenvector Computations

Explored parallelisation techniques with respect to finding new-forms 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–Present

LaTeX Tutorials

latex tutorials.co.uk

Designer, Developer, Chief Editor

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 was used as an interactive teaching aid during seminars provided by the Warwick Maths Society.

2011–Present

Virtual Futures

virtual futures.co.uk

Designer, Developer

Collaborated with organisers and artists to develop an online archive for past and future conferences; 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 development and performance, UX design **personal:** badminton, Go, typography.