Kieran Warwick

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London, UK

Software Engineer at Thirdfort, Master Computer Science Graduate from the University of Bath, with First Class Honours. Open to new and interesting challenges, with opportunities for fast growth and self-development. Enjoys contributing to real world problems, making the world better and more secure!

Relevant Experience

Software Engineer Thirdfort *Nov. 2020 - Present*

- Developed a new security component and lead migration of existing records, achieving a zero downtime launch with over 32 million records migrated.
- Lead a small team and developed a new billing component.
- Coaching and mentoring new joiners, and fellow members of the team.
- Communicating with the product team on new features and stability updates.
- Helping to solve support issues for both sandbox and production.

Taught Academic Representative Bath University *Oct. 2017 - June 2018*

- Gathered and represented students' opinions of the course upon Staff Student Liaison Committees.
- Relayed outcomes to both students and the SU, acting as a bridge of communication.
- Negotiated upon the SSLC for higher marks for students who took a calculator exam paper, where a printing error caused no calculators to be provided.

Academic Peer Mentor Bath University *Oct. 2017 - June 2018*

- Mentored a small group of first year students, helping them with their studies and adjusting to university.

Education

University of Bath *2016-20*
Master of Computer Science | **First Class Honours**

Chichester High Schools' Sixth Form *2013-16*
A-levels: Maths: *A**, Further Maths: *A*, Physics *A*

Chichester High School for Boys *2011-13*
GCSEs: *6As, 3Bs, 3Cs* - including Maths & English

Academic Projects

Serious Game: Turing Machine Diagrams

Web application teaching Turing machines through the use of state-transition diagrams. Deployed at: `https://interactive-turing.herokuapp.com`

Analysis of Extended-Precision upon GPUs

Uses two floats to estimate a double, with arithmetic. Provides a speedup of up to 1.2 on consumer GPUs. Available at: `https://github.com/kw510/DFGPU`

References available on request

Areas of Knowledge

Machine Learning; Data Science; Cyber Security; Artificial Intelligence; Databases; Entrepreneurship; Parallel Computing; Networking; Safety-Critical Systems; Control and Cognitive Systems; Computer Architecture; Functional Programming; Algorithms and Data Structures; Visual Computing; Interactive Systems; Principles of Programming Languages; Full Stack Web Development.

Technologies

GoLang, JavaScript, Python, gRPC, Java, C, MATLAB, Node.JS, MongoDB, React, Haskell, OpenMP, MPI, SQL, NoSQL, PHP, HTML5, CSS, LaTeX, Windows, MacOS, Linux.

Awards & Interests

Winner of design competition for Ergo Computing.
Attending Hackathons with a small team.
Cyclist, going out with local cycling clubs.
Coffee enthusiast, with a AeroPress + hand grinder.