



Dr Jonathan Beaumont MEng PhD

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Work Experience

May 2021 - Present

Senior Software Engineer (Backend), Qogita (qogita.com)

- A B2B wholesale platform, helping buyers find the best deals on a wide range of products from a large collection of suppliers from across Europe and the UK.
- Working in a start-up environment, was part of a small team which rebuilt Qogita's website from scratch, enhancing its online presence.
- Developed RESTful API using Django to manage public API for buyers, providing real-time product and supplier updates.
- Participated and led Agile ceremonies in a collaborative work environment.
- Integrated Data Science and Data Engineering services to enrich backend data for the website.

April 2018 - May 2021

Postdoc Research Associate, Imperial College London

- Working on a project developing applications for a novel event-driven parallel system architecture featuring thousands of hyper-threaded RISC-V cores embedded in a fast communications infrastructure (poets-project.org).
- Researching and developing a Dissipative Particle Dynamics simulator for this architecture, which models the behaviours of fluids at a molecular level. This achieves 100x speedup over a serial form of this simulator.

September 2017 – March 2018

Guest Relations Staff Member, The O2, London

- Ensuring customers have a safe and enjoyable event.

September 2014 - July 2017

Postgraduate Demonstrator, Newcastle University

- Aid in the teaching of undergraduate students in practical sessions.

Education

September 2014 - January 2018

PhD Computer Engineering, Newcastle University

- My main research interest is in asynchronous methods for software and design, verification properties and synthesis of asynchronous circuits.

September 2010 - July 2014

Electronic and Computer Engineering MEng, Newcastle University First Class Honours

- This degree included both computer science and electronics modules and provided opportunities for projects to use learned skills from both disciplines.

September 2008 - July 2010

Huddersfield Grammar School & Greenhead College, Huddersfield 10 GCSEs, 3 A-Levels, 1 AS-Level

Core Skills

- Professional experience in **Python** (Django, REST Framework, Pandas), **C++**, **C**.
- Familiar with SQL, Java, TypeScript, JavaScript, AWS and Assembly.
- Version control, CI/CD (Git, GitHub: github.com/jrbeaumont).
- Working within agile frameworks.
- Scientific/technical research and communication skills through writing papers and presentations.

References available on request