

Employment

*Research Assosicate, Lancaster University,
December 2014 - present*

Currently conducting research in the developing field of Software Defined Networking. We are aiming to utilise SDN's programmable control plane to introduce novel ideas for in-network QoE: Instant packet flow modifications, interaction with other SDN applications, and QoE system scalability. Co-developing our SDN QoE applications. Part of the pan-European research project GÉANT.

*Research Assosicate, Lancaster University,
May 2014 - November 2014*

Responsible for deploying, debugging, evaluating, and assisting the development of OpenCache, an SDN application developed at Lancaster University. Evaluated the benefit that OpenCache brings to caching services with regards to near-instant load balancing and failover recovery during HTTP adaptive streaming. Deployed on an international testbed (Fed4FIRE). Paper pending review at IEEE NetSoft.

Education

*Computer Science BSc, Lancaster
University, 2011-2014*

Graduated with a first class honours. As a final year project, I built an embedded, multisensor device to monitor light emission in shared office environments. Designed to differentiate between lamp types in areas with multiple sources of illumination.

Skills

Versed in several programming languages: Python, Java, Assembly; lesser experience with others: C#, C, Erlang, Go. Strong knowledge of networking tools, protocols, and design. Proficiency with software development practices, version control.

Contact

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twitter: twitter.com/sbaildon

Points of Interest

Robinson's (florist.baildon.co)

An online storefront for a local florist, waiting on certain TLDs before changing domain and going live.

Light and Magic (lancs.ac.uk/staff/baildon)

The light emission sensor system developed at Lancaster University.

References on request
