Colm Baston

Mobile:	+44 (0)7712212743
Personal Email:	colm@colmbaston.co.uk
Academic Email:	colm.baston@nottingham.ac.uk
Web:	https://colmbaston.co.uk

Education

Oct 2016 – Present	**The University of Nottingham** *PhD Computer Science* – I am supervised by Dr Venanzio Capretta and Dr Natasha Alechina. – Broadly, I am interested in functional programming and am a member of the Functional Programming Lab. More precisely, my research interests are in mathematical logic and dependent type theory, specifically in epistemic logics and how they can be modelled within a dependently-typed setting by utilising coinductive types.
Sept 2012 – June 2016	**The University of Nottingham** *MSci (Hons) Computer Science* – I graduated with a first-class degree on 16th July 2016. – My full degree transcript can be made available upon request.
Sept 2005 – June 2012	**St. Richard Gwyn, Flint, Flintshire** *GCSEs and A Levels*

Employment

Feb 2015 – Present	**The University of Nottingham** *Lab Assistant, Tutor, and Marker (Casual)* – I've provided teaching assistance to the convenors of the following undergraduate modules within the School of Computer Science. – Advanced Functional Programming (for four years) – Mathematics for Computer Scientists (for two years) – Programming Paradigms (for two years) – C++ Programming (for one year) – Computer Fundamentals (for one year) – Programming and Algorithms (for one year)
June 2013 – Sept 2013	**Remsdaq Ltd.** *IT Assistant* – I worked closely with the manager of the IT department in transitioning to a virtualised server environment. My role also involved general domain administration as well as providing technical support to many of the other departments on-site.

Accomplishments & Involvements

– During my second and third years of study at The University of Nottingham, I was involved with the *Computer Science Guru Programme* as a guru: a student volunteer who aids with the integration of first year students into university life and into their studies.

– During my second year of study at The University of Nottingham, I was a member of the group awarded the *School Prize for Best Group Project 2013/14* for our project *Football Facsimile*, a 2D graphical football simulation viewed from a top-down perspective.

– During my time at St. Richard Gwyn, I was awarded a *Bronze Duke of Edinburgh's Award* for engaging in a number of extracurricular activities. These included membership of a local archery club, taking a Japanese language and culture course, volunteering at a local charity shop, and participating in a two-day expedition with a group of fellow students from the school.

Skills

– I have experience with a wide range of software systems and programming languages. I choose to employ Haskell for the majority of my day-to-day programming tasks, but I also have experience with ARM Assembly, C, C++, Java, Python, R, and SQL. I am familiar with mathematical logic and formal reasoning, particularly using the type-theoretic proof assistants Agda and Coq.

– I am most comfortable when working in UNIX-like environments and with the complement of tools that accompany them. I am proficient with version control systems, especially Git, and also with typesetting documents (such as this one) using LaTeX.