

# Natalie Ravenhill

Phone: 07784456027

Email: [nxr290@student.bham.ac.uk](mailto:nxr290@student.bham.ac.uk)

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Computer Science Masters student looking for interesting and challenging development roles to apply the skills in functional and object oriented programming, teamwork, communication and problem solving that I have learned in my degrees.

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## ***Technical Skills:***

Languages	IDEs/Editors	Operating Systems	Version Control
Java Haskell Agda	Emacs Eclipse	Windows Linux: Ubuntu, Scientific Linux	Git Subversion

## ***Academic Study:***

### **MSc Advanced Computer Science – University of Birmingham (2015-present):**

*(Fully funded by HEFCE Postgraduate Support Scheme)*

*(Predicted Merit)*

Modules including: Secure Programming, Machine Learning and Computer Aided Verification.

### **BSc Computer Science – University of Birmingham (2012-2015):**

**2:1 (68%)**

Modules included: (Advanced) Functional Programming, Models of Computation, Principles of Programming Languages, Team Java Project and Software Systems Components

### **King Edward VI Camp Hill School for Girls (2005-2012):**

A levels including Maths, Computing and Further Maths (AS)

GCSEs including Maths (A\*) and English Language (A)

## ***Work Experience:***

### **Functional Programming Undergraduate Demonstrator at *University of Birmingham* (Sep 2014 - Dec 2015):**

- Gave one to one help to 2<sup>nd</sup> year students studying the Functional Programming module in their lab sessions with understanding assignments, debugging their code and understanding theoretical aspects of Haskell.

**Junior Delivery Management Intern at *Capgemini* (June 2015 – July 2015):**

- Assisted Project Management Office to monitor and plan delivery progress.
- Applied skills in Agile and Waterfall development methodologies and process based management.
- Gave presentations to senior department staff

**Learning Centre Reception Assistant at *University of Birmingham* (June 2014 – June 2015):**

- Responsible for the management of the staff and students working in the Learning Centre building.
- Assisted staff with their room bookings.
- Liaised with University Security in case of security or student safety problems

**Capgemini Community Challenge at *Capgemini* (June 2014):**

- Worked in a team of 5 students on a solution to raise awareness of a local charity within the community and then
- Presented solution to Capgemini's consultants, senior staff and charity representatives.

## ***Voluntary Work:***

**STEMNET Ambassador (October 2015 – present):**

- Assist schools and communities with promoting STEM subjects to school pupils
- Worked in a team to supervise and deliver a day long engineering enterprise workshop for Year 5 pupils
- Taught ICT lessons to Year 8 – 11 pupils in a local secondary school

**Treasurer of Computer Science Society (CSS) (March 2014 – March 2015)**

- Managed accounts of a society with around 80 members
- Liaise with other committee members to organize and run events

**PASS (Peer Assisted Study Session) leader (September 2013 – June 2014):**

- Worked in team to conduct sessions to 1<sup>st</sup> year student groups to assist with Java/OCaml programming modules and Logic module.

## ***Awards:***

- Birmingham Masters Support Scheme Scholarship recipient, as part of HEFCE Postgraduate Support Scheme 2015-16
- Programming Languages Mentoring Workshop Scholarship to attend the ACM Symposium on Principles of Programming Languages (POPL) international research conference

## ***Interests:***

Violin and Viola player (have played in local amateur orchestras for 5 years)