

# HENRY THOMPSON

CAMBRIDGE UNIVERSITY – COMPUTER SCIENCE

## EXPERIENCE

### MICROSOFT (HEADQUARTERS – REDMOND, USA)

Software Engineer Intern | Jun - Sept 2017

- Part of the telemetry data tooling team with Windows Defender.
- Developing a service in C# to ensure telemetry analysis jobs run on big data sets without error, alerting teams to failures.
- Currently only 4 weeks in but initial feedback indicates "exceptional" progress, with critical jobs already on-boarded.

### NETCRAFT

Internet Services Developer | Jun - Sept 2016

- Netcraft are leaders in spam detection and prevention.
- Developed a dashboard for the UK Government, a Netcraft client, to track the effectiveness of Netcraft services in taking down spam email sources automatically. Figures from the dashboard were widely used including in newspaper reports.
- Fixed critical bugs for prominent clients such as BNP Paribas.
- Professional experience on PHP, Apache, MySQL, Unix & CentOS.

### FIREFLY LEARNING

Internet Services Developer | Jul - Aug 2015

- Firefly develop a virtual learning environment for schools.
- I developed tools allowing teachers to import and export user data.
- These features shipped in the live product 2 weeks ahead of schedule despite me learning C#, ASP.NET and SQL on the job.
- Offered a paid gap-year before university due to my performance.
- Learnt Git, unit testing, design pattern practices and Agile.

## EDUCATION

### CAMBRIDGE UNIVERSITY | COMPUTER SCIENCE

2015 - Present

- Year 2 – 1st Class.
- Year 1 – 2.i (1st Class in every Computer Science module).

## PROJECTS

### QUODA CODE EDITOR

Code editor on Android with 200,000 downloads. Includes (S)FTP connectivity, syntax highlighting, snippets with tabstops, and code completion. Excellent reviews from blogs and users.

### NEURAL NETWORKS FROM SCRATCH

At 17 I wrote a Neural Network and used it for character recognition. Project rated "outstanding" by Dr Simon Hay.

Visit [www.henrythompson.me](http://www.henrythompson.me) for more projects and further details.

## LEADERSHIP ROLES

### HACK CAMBRIDGE

Heading up the 2018 sponsorship team for the University's official hackathon. Personally responsible for raising £28,000 in sponsorship for Hack Cambridge 2017.

### MICROSOFT STUDENT PARTNER

One of 50 students selected from 4000 globally to attend Microsoft Build in Seattle in recognition of "outstanding evangelism". I have hosted workshops and given talks discussing Microsoft technologies as part of the scheme.

### STAFF-STUDENT COMMITTEE

Elected by my peers against 3 other candidates to represent my year in Cambridge at the staff-student committee.

## TECHNICAL SKILLS

### FLUENT IN

Java | Android | Angular | Firebase  
Typescript | OCaml | Standard ML |  
ASP.NET MVC | C# | Git

### FAMILIAR WITH

C | C++ | PHP | LESS | SQL |  
JavaScript | SystemVerilog

## CONTACT

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