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Website: <https://mahoneyj2.github.io/>

## Profile

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I am a Computer Science student who is focused and organised, with a passion for my subject. I am a hard-working and motivated individual who is keen to develop a deeper understanding of my subject and am interested in working on cutting edge technologies/industries. I am a quick learner who enjoys working on complicated problems and using my initiative to come up with innovative solutions to abstract problems, both independently and within a team. I'm currently in my 4<sup>th</sup> year of study and working towards my MEng in Computer Science.

## Education

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### MEng Computer Science - The University Of Warwick

**2013 - date**

Currently in Fourth Year, studying for an MEng in Computer Science

**Year 1:** 1<sup>st</sup> Class Honours grade, **78.3% average** in examination and assessment

**Year 2:** 1<sup>st</sup> Class Honours grade, **78.7% average** in examination and assessment, **4<sup>th</sup> in year**

- Undertook group project under Deutsche bank, developing full stack trading analysis tool for detecting malicious trading patterns and communications. (1<sup>st</sup> classification)

**Year 3:** 1<sup>st</sup> Class Honours grade, **78.3% average** in examination and assessment

- Undertook project supervised by the head of department, Professor Stephen Jarvis, working on the departments new cluster, Tinis to investigate optimising cluster performance for large-scale face recognition. (1<sup>st</sup> classification)

**Year 4:** Current year

- Undertaking a group project developing a deployable MEAN stack Hackathon organiser tool, with the goal of creating a completely customisable, simple to use, event management interface for Hackathon hosts.

Module breakdown and further information available at <https://mahoneyj2.github.io/>

### Secondary School - The Judd School, Tonbridge, Kent

**2006 - 2013**

4 GCE 'A' Levels: Chemistry A\*; Mathematics A; Physics A; Economics B

10 GCSEs (7A\*s) including English, Mathematics, Science and French

## Previous Employment

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### eTech solutions - Software Development Intern

**Summer 2016**

Worked as a backend developer in the UK's leading provider of mobile surveying and workflow management software.

- Worked within a small agile team with daily stand-ups and weekly SCRUM meetings.
- Worked on both internal deployed systems and open source projects, such as:
  - Hangfire, an open-source C# background job manager.
  - Vetus, an in-house Node.js GitHub wrapper for managing cross-team JSON object changes.

### Sayer's Butterworth - Intern

**Summer 2012 & 2013**

Worked over two summers for an accountancy firm, first as an assistant in the accountancy team and then as an IT assistant. Gained valuable experience working with both staff and clients to assist in setting up computing environments.

## Voluntary Experience

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### Warwick TECH Society - Warwick BCS Chapter, Lead Tech Officer

**2014 - 2016**

- Volunteered to help establish a new society at the University of Warwick and became its first tech officer.
- Developed multiple websites for the society, as well as interactive resource hubs for members and helped organize multiple 24 hour hackathons. Role also involved organizing lectures and events, with a focus on developing the hackathon environment for beginners, including tutoring at code workshops & mentoring at events.
- Working with BCS, Engineering and Computer Science departments at Warwick to develop the society & events.
- Gained valuable teamwork and leadership skills.

## Other Relevant Skills

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- Skills in several programming languages:
  - Intermediate level: Java, C, C++, C#, SQL, Haskell, Python, PHP, JavaScript
- Practised in several environments:
  - Linux, Windows, Git, Office,

References available on request