

# James Marsh

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## **PERSONAL STATEMENT**

As a full-time university student, I try to manage my time between studying and trying to take opportunities to introduce myself to the Computer Science industry. I am eager to gain hands on experience and expand my understanding from outside of the lecture theatre. Notably my involvement in a collaborative project developing new tools for generating market trading algorithms.

## **SKILLS**

- Strong understanding in **Java**, **VB.NET** (with a minimum of a year experience). Competent in **Python**, **C#**, **HTML**, **CSS** (primarily used in collaborative projects).
- Strong time management skills, ability to estimate development times and meet deadlines.
- Public speaking and development conversations in problem solving, especially in high pressure situations.
- Clear and concise code documentation as well as supplementary note taking.

## **EDUCATION**

**Currently pursuing a Bachelor's degree in Computer Science**  
University of Southampton

Studies include:

- Programming 1 & 2 (Completed in Java)
- Foundations of Computer Science (Mathematics based module)
- Data Management (Bash Scripting and data processing)
- Professional Development (Studies into writing academic literature)

Involved in:

- Joint computer science data analysis project
- Currently participate in the Cyber Security society
- 2018 Google Hash Code competition

### **A-Levels, June 2015 – June 2017**

Poole Grammar School  
Gravel Hill, Poole BH17 9JU

Computer Science: A  
Maths: A  
Physics: A

## **WORK EXPERIENCE & VOLUNTEERING**

### **IT Consultant – December 2017 - Current**

DayDreamsRV – [www.daydreamsrv.net](http://www.daydreamsrv.net)

Responsibilities:

- Development and maintenance of company website
- Advising on company computing systems and networks

### **Volunteering Outreach Coordinator – September 2016 – June 2017**

Poole Grammar School – [www.poolegrammarschool.com](http://www.poolegrammarschool.com)

Responsibilities:

- Organise and run sessions for young attending students
- VB.NET Programming mentoring for more able attendees
- Speaking and instructing the group, explaining programming concepts

## **PERSONAL INTERESTS**

Within the subject area of Computer Science:

- Data analysis in market making. A fellow Computer Science student and I are developing a multi-platform utility for bespoke trading bots. Allowing retail traders to develop their own systems without programming expertise. The system is developed with a Python and Firebase backend, which strengthened my skills in API implementation with wrapper development. Along with a React, Redux, HTML and CSS front end.
- Computer Vision, studied the Viola and Jones object detection algorithm using adaptive boosting. This was the focus of a yearlong project.
- Website development, I personally take the time to develop my own professional site [www.jamesfkmarsh.com](http://www.jamesfkmarsh.com). This project is constantly being upgraded and modified as I learn more interesting implementations of CSS and HTML. Progress of which can be found at [github.com/Marsh-James](https://github.com/Marsh-James).
- Computer Systems and hardware in robotics. I put together small robotics devices using microcomputers, such as a Raspberry Pi, and servos.

Outside of Computer Science:

- Sailing, I am currently a member of the local sailing club and have previously owned a mirror dinghy which I sailed for many years.
- Pianoforte, being a pianist has been a large part of my life for a long period of time and I have dedicated time and to practice perfecting my pieces.

## **REFERENCES**

References available upon request