James Atkin | Curriculum Vitae

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Objective

Undergraduate Computer Science student, currently in the third year of a MSci Computer Science degree. Strong and varied skillset, and a proven team player with industry experience.

Education

Academic Qualifications

University of Birmingham	**Birmingham**
Currently studying MSci Computer Science, Predicted high 2:1	*2016–present*
King Alfred's Sixth Form	**Wantage, Oxon**
3 A-levels, AAB in Computing, Maths and Physics	*2014–2016*
King Alfred's Academy	**Wantage, Oxon**
11 GCSEs, 5A*, 6A, 1B including Maths and English	*2009–2014*

Notable Projects

2nd Year Team Project : *'Battleship Antarctica'*

In this module, the task was to develop a video game in Java as part of a six person team. The game had to include networked multiplayer, computer-controlled players and audio. As a team, we wrote our own rendering engine, networking code, physics engine, and audio pipeline. This was a challenging task and we were able to successfully complete it by meeting regularly and setting deadlines to ensure everyone stayed on track. We also presented a live demonstration of our game, and produced a report in LaTeX detailing the software engineering processes we had used to plan it.

Robot Programming : *'Autonomous Robot Warehouse'*

The aim of this project was to program a team of LEGO Mindstorms NXT robots in Java/leJOS to navigate a grid on the floor representing a warehouse. The robots were sent jobs where they were required to 'pick up' and 'drop off' items in different parts of the warehouse. I programmed the robots' motion, allowing them to recognise and follow the grid of the warehouse. I also played a key role in the system's integration. Myself and two team-mates programmed together, discussing the code to integrate the various system components.

A-level Computing Software Project : *'Creating a Merit System for Children and Teachers'*

In this project, I liaised with a client to produce a system which they could use in schools to set pupils behavioural goals, and could award them digital 'merits' in return for completing them. I discussed the system with the client to find out the requirements were, produced designs, and created a Windows Forms application using C#. I produced documentation such as a user help guide to assist the end user. Following this, I performed acceptance testing with the client to discuss whether the original objectives were met, their thoughts on certain features, and any desirable extensions to the system.

Previous Employment

IMImobile Intelligent Networks Ltd.   **Reading, Berks**
Java Developer   *July 2018 - September 2018*

I worked at IMImobile for a number of weeks over my university summer holiday. I spent this time programming new features using Java, building them with Maven, and pushing to Git when complete. I worked in an Agile environment where I took part in daily Scrum meetings and worked with developers and project managers to plan sprints of work. I learnt a lot in this time, and was able to gain valuable industry experience using technologies I had encountered at university.

Infracast Ltd.   **Reading, Berks**
Junior Software Tester   *July 2017 - September 2017*

As a tester, I was responsible for running regression and performance tests in staging environments including web portals and Windows Services. This involved updating and logging issues in a project management tools, as well as liasing with others in the company to understand requirements.
I feel that this role was highly beneficial to me as a programmer as it allowed me to see firsthand the kinds of bugs that can occur in development, and how they can be investigated.

King Alfred's Academy   **Wantage, Oxon**
Peer Supporter   *June 2015 - June 2016*

I was a Peer Supporter at my school during Year 13. This meant that I worked closely with a Year 7 tutor group, running fun team activities with them, and ensuring they settled into their first year of secondary school. My responsibilities also included holding one-to-one sessions with children who had difficulties or worries. In these, I was able to be empathetic, and found it rewarding to be able to give something back to the school by sharing what I had learnt from going through it myself.

Waitrose   **Wantage, Oxon**
Supermarket Assistant   *September 2015 - April 2016*

In my time at Waitrose I provided customer service at a high-standard. This often involved communicating with cutomers to help locate products and find their way around the store. I also had to manage my time efficiently during my shifts to be able to replenish stock on the shelves while dealing with issues such as spillages and breakages.

Technical Skills

- **Programming:** I am a confident programmer and have been coding throughout my school and university years. I mainly have experience with Java and have used it to successfully implement new features in industry. I also have experience with C, C++, C#, Python, MATLAB and OCaml.

- **Databases:** I am able to write queries to interrogate and modify SQL and Cassandra databases. I have used both of these technologies in a real-world product, both for testing and implementing new features.

- **Source control:** I am familiar with using Git for versioning. I have used it in projects to work on my own branch, and later merge with the master branch in order to collaborate with others.

Interests and Extra-curricular Activities

- I enjoy running in my spare time, often going in the evenings after a day of university. I find it refreshing to be able to do some exercise and be able to clear my head for an hour or so.