

# Mitchell Sean Dye

## Contact Information

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## Summary

I take great pride in everything I do. I am a very quick and able learner. I'm always willing to improve based on other people's criticism. I am able to follow instructions carefully which allows me to work well in a team. I am able to give informed opinions and feedback if necessary. I am always willing to learn new skills in order to do my task more effectively. I prefer to learn the try-and-tested method first before trying to improve on it once I have sufficient experience and knowledge in order to do so.

I have completed a BSc at Queen Mary University of London in Astrophysics, where I developed my analytical and problem solving skills, as well as learning how to program in C++.

## Key Skills

Computational Skills: I am able to learn new programs and how to operate new machines quickly, I am adept at using the Microsoft applications and also LaTeX. I am familiar with the programming language C++ as I have done a 12 week module at Queen Mary in the language. I can also program in R as I did a 3 month internship at TallUpp over summer in 2018 where I used the language. In my free time I have refined my programming skills, and have built websites as personal projects using HTML, Javascript and CSS. I am currently working with React, Redux and Bootstrap to further my front-end skills.

Motivated: I am always looking to improve myself in any way I can, from broadening my interests via reading to learning new languages.

I am capable of working in a team or alone, with great organizational and time management skills. I work well under stress and do not buckle under pressure.

I am also self-motivated as I taught myself how to program in R for my internship and have continued to learn how to program in C++ in my own time.

## Education

18/8/13      GCSE English, Lampton School

18/8/13      GCSE Science Triple Award, Lampton School

18/8/13	GCSE Business Double Award, Lampton School
18/8/13	GCSE Geography, Lampton School
18/8/13	GCSE German, Lampton School
18/8/13	GCSE ICT, Lampton School
18/8/13	GCSE Religious Studies, Lampton School
18/8/13	GCSE Mathematics, Lampton School
21/8/15	A level in Mathematics, Lampton School
21/8/15	A level in Physics, Lampton School
21/8/15	A level in Biology
21/9/18	BSc Astrophysics upper second class, Queen Mary University of London

## Extra Curricular

From 2009 to 2013 I was a part of the Heston Army Cadets, I learnt many valuable skills during my time with the cadets such as: teamwork, punctuality, respect and discipline. I also learned to take pride in my appearance and learned to follow instructions precisely and use my own intuition. I also learned basic health and safety and first aid. With the cadets I had to pick up new skills very quickly and look out for my fellow cadets on the many camping trips and training weekends, I also had to be responsible for a few new cadets who I taught the many skills I had learned in my time with the cadets. I had many experiences working as part of a team during my training for navigation, where me and 3 others had to use a map to travel 22km over the course of a weekend, we had to make camp and double check each other's work in order to ensure we would make it to the finishing point in the allotted time. I was also a part of the rifle shooting team during my time at the cadets and also took part in a "tough training" weekend where a team from our unit had to complete a series of obstacles and challenges including a night time scavenger hunt using a map and compass only.

For 2 weeks in September of 2013 I worked in a post office at the counter, my responsibilities included: making sure that the stock was replenished and displayed properly, serving customers on the tills, and unpacking boxes of deliveries. I learned many valuable skills while working at the post office including: how to greet customers properly, organizational skills when unpacking deliveries and stocking shelves in the shop, and how to count up money at the end of the day.

From the 7th of December 2015 to the 4th of January 2016 I worked in Sunbury Tesco as Seasonal Temporary staff. Some of my responsibilities were sorting the stock into categories and then dragging the sorted stock to the respective aisles. I also had to interact with customers who had questions. Some of the skills I developed and had to use in the role were: punctuality, organization and approaching and interacting with customers in the proper way.

From March the 12th 2016 until September 2017 I have worked at Tesco Osterley extra where I have always done my best to do the job that was required of me to the best of my ability and try to innovate new ways on completing tasks in a more efficient way, I have never been late in all the months that I have worked there as I believe that punctuality is important as it shows that you are responsible and actually care about doing the job you are required to do. In all my time working I was never late nor did I ever call in sick.

From June 11<sup>th</sup> 2018 until 13<sup>th</sup> August 2018, I worked at TalUpp as a data scientist intern. The project that I was working on was creating a brand new database of biographical data from executives at various companies from scratch, and then performing some data analysis on the dataset in order to test some hypotheses. The dataset was saved as a .csv file and excel was used to organize the data and perform some of the analysis.

The internship also involved scraping the data from company websites, all of this was done using the coding language "R". I was the only one working on this project which allowed me to develop my time management skills, and problem solving skills, as I came across many problems and had to find a creative solution to work around the problems I came across. As my manager was not skilled in programming I also found myself trying to translate what she wanted into something that I could code myself, and offered many different approaches to achieve what we needed to be done.

In my spare time I like to read, both nonfiction and fiction. My current interests in nonfiction are mathematics, physics and philosophy, however I am starting to read some history and economics as well. I intend to further this into politics in the future. I am also learning C++ in my spare time as well as developing skills in Javascript to develop websites.

From December 2018 until October 2020 I have been a tutor in Maths and Physics at Cherry Hill Tuition, which has allowed me to develop the ability to explain concepts at different levels, especially when teaching GCSE or year 9 Physics compared to when I teach A-level Physics.

Since November 1<sup>st</sup> 2020 I have been an Operations Supervisor at a private tuition company. The key responsibilities in this role involved; designing and monitoring the pupil's work to ensure that they get the best education possible, organising staffing for extra Half-Term classes as well as to cover staff absences, creating brand new work for the A Level Physics and Maths pupils and general building maintenance along with supply ordering. This role has helped to develop me into an effective leader as well as improve my decisiveness and general confidence, as well as forcing me to take responsibility for any decision that I make. I have also been forced to learn the importance of delegation, as it is impossible to do everything yourself, as well as checking other people's work quickly and efficiently to ensure that the task has been completed to a brilliant standard.

Since December 2020 I have been learning various front-end technologies such as; Javascript, HTML, CSS and React along with Bootstrap and Redux. I am doing this by following the FreeCodeCamp.org program, as well as reading documentation and creating my own personal projects. Eventually I would love to develop and release my own mobile applications.