**Samuel Jones**

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**Personal Profile**

A conscientious and hardworking individual, who looks to combine his enthusiasm and dedication in his chosen field to support his studies and any work based environment. Willing to explore new boundaries and with a passion of acquiring new skills and knowledge. I am seeking a placement to assist in expanding my knowledge as well as providing a unique opportunity to experience a true workplace whilst offering a positive contribution to an employer.

**Educational History**

***University of Salford: 2016 – present***

* BSc Computer Science – Level 4 – 2:1
	+ Database Systems – 80.00%
	+ Computer System Internals and Linux – 79.60%
	+ Professional Design and Practices – 73.40%

Across my first year of studies at university I was taught the basics of Java programming as well as more advanced techniques such as polymorphism, linked lists, recursion and inheritance. These were included within the **Programming 1 and 2** modules. In **Database Systems**, I learnt high level database concepts using SQL as well as more focused low-level operations such as transaction management, advanced data types and advanced SQL. The **Professional Design and Practices** module taught me project management techniques like waterfall and agile methodologies, the laws involved in the industry as well as group work and team projects and the methods and management involved in group activates. **Computer System Internals and Linux** taught me Linux commands and instructions involved around areas such as regular expressions, SED, BASH scripts and system administration. As well as areas such as binary, circuit design and security to name a few. Finally, **HCI and Web Development** taught me the use of C# using it to create Windows Form Applications, as well as effective HTML 5 and CSS techniques in website building.

 In my second year, I am furthering my knowledge by studying **Data Structures and Algorithms** where I am learning about concepts such as interfaces and queues as well as refining my knowledge on ideas like inheritance, linear lists and stacks. **AI and Datamining** is allowing me to understand important theories involving statistical analysis of data sets using algorithms like 1R, Naïve Bayes and k-Nearest Neighbour. **Client Server Systems** is assisting me in furthering my knowledge of previously learnt languages like HTML and CSS but combining it with PHP to create more modern web applications. **Network Penetration Testing** is providing me a crucial understanding of how exploits are conducted within a system, using ideas and concepts such as Buffer Overflow attacks, the importance of reconnaissance as well as creating binds and reverse shells between machines. **Network and Security** has taught me concepts involved in the creation of a network and the internet, such ideas include subnetting and static routing as well as IPv4 addressing and internet protocols. Finally, **Software Projects with Agile Techniques** is expanding my knowledge of professionalism and project management within a company, including such details as Case Diagrams, Case Modelling and Class Modelling.

**Employment History**

***TESCO: Aug 2016 – Present***

I have part time Saturday job where I work as a customer assistant at the stores Bakery and Bread section. My main role is to ensure that the aisle is stocked correctly as well as ensuring that the customers are treated in accordance to our ethics and ethos. This has enabled me to gain many skills, one of which is **customer service**. An example of this would be if we do not have an item on the shelf, I will investigate the warehouse to see if we do not have it there. Another skill is effective **team work**, naturally the job cannot be performed on my own. I am supported by fellow members of staff who I work with to ensure that the aisle is as customers expect it to be, an example of this would be during the Christmas period when the store is particularly busy my job can be difficult to do on your own therefore instead of one of us doing the work two or three will share the work between them. A third skill is **time management** I am punctual, an example of this would be some days I am required to clock on for 7:00AM, I therefore make sure I am at the store for 6:45 and on the shop floor for 6:55 to ensure that any unexpected tasks can be done before I start my main workload. A final skill that I have acquired is **maturity and responsibility** I am trusted member of the team and I am certain tasks are expected from me because of that, for example I am trusted to make sure the waste is sent correctly and on time, if I am unable to send it I am expected to give it to a manager who can, ultimately the responsibly is mine.

**Interests and Responsibilities**

* I am an active member and contributor to my university’s Computing Society, recently I have done talks on C# Windows Form Applications as well as assisting in other activities such as programming challenges.
* I am also a payed member of the British Computing Society, I attend their Manchester branch meetings as often as possible.
* I regular attend talks and tech events in and around the Manchester area. These include…
	+ Manchester Java community
	+ Dot Net North
	+ BBC – Software engineering at Scale
* I also attend hackathons and other hacking events within the Manchester area, for example…
	+ Google Hash 2017
	+ Stockport Hackathon 2017
	+ StudentHack V
	+ Hackcess Reality – VR 4 Good
	+ EndHomelessnessMCR digital community
	+ HackManchester 2017
	+ The Defectives University Challenge
* I also attended a Cyber Security course over the summer of 2017. This involved me travelling to France for the week to study an in-depth boot camp on certain key concepts involving Deep Forensics of Digital Data. All of this accumulated in a challenge that had to be performed in a group where we had to use the knowledge we had gathered to uncover if an employee had stolen data from a company. We had to gather such information as usernames, passwords, documents, browsing history etc.

**References**

Joanna Tyson (Employer)

Tesco Manager

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