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Personal Profile

I am currently a student studying Computer Science at Teesside University with a predicted 1st class degree. I am a hardworking individual who enjoys problem solving and working as an effective team player. My University modules have helped me develop strong mathematical skills as well as gaining significant technical experience with both hardware and software. My previous work experience has equipped me with an excellent attention to detail along with great organisational skills.

Education

2015 - Present: Teesside University, Working towards a BSc in Computer Science

Third year modules currently studying:

- Artificial Intelligence Applications
- Software Architecture
- Advanced Database Design
- Embedded Systems
- Final Year Project

Final year project: My final year project entitled, "Automatic Age Prediction using Deep Convolutional Neural Networks" uses a convolutional neural network to predict the ages of people in images. This project was packaged in a Docker container, hosted in AWS and made available as an API.

Placement year: Grade: 85%

Second year modules: Average grade: 68.2%

First year modules: Average grade: 74.5%

Achievements: Presented with an award for "Outstanding entrepreneurial skills".

2013-2015: Queen Elizabeth Sixth Form College

3 Advanced levels: Graphic Design (C), IT Double Award, Two Advanced Levels at (B, C).

2012-2013: The Wensleydale School and Sixth Form

Studied AS Levels.

2007-2012: The Wensleydale School and Sixth Form

8 GCSEs grades A-C including Maths (B), English (B) and Information Technology (Distinction).

Employment

June 2017 – August 2018: Accenture

Software Developer

For my placement year at University I joined Accenture as a software developer. Upon joining I completed many kinds of training in both technical development skills and soft skills. I spent my placement within an award-winning team specialising in robotic process automation for the Department for Work and Pensions (DWP). During my time on this team, I have demonstrated my skills working in an agile development environment and have successfully taken multiple RPA products to production in addition to a machine learning solution to help increase success rates of one process from 45% to 90% and over. My machine learning project utilised the Scikit logistic regression algorithm in Python which was packaged in a Docker container and hosted in AWS. The technology I worked with on a regular basis included C# and VB.NET. I also used Python, C++ and HTML/CSS in other projects throughout the year. In addition to this, I was also one of the Git masters for the project and was responsible with creating repositories, managing user accounts and resolving merge issues.

August 2016 - September 2016: North Yorkshire County Council, County Hall, Northallerton.

IT Undergraduate Placement

I joined North Yorkshire County Council on a 6-week internship as part of their 2020 program. There, I was tasked with working as part of a team to set up new machines for employees at NYCC. As part of this process I attended rollout sessions where I was tasked with handing out the new equipment to the

end user and explaining to the user how to use the equipment effectively. I was also tasked with fixing hardware issues and taking a company car to deliver new equipment to external offices.

June 2011 – June 2015: Leyburn Bikes, Leyburn, North Yorkshire.

Shop Keeper and Cycle Mechanic.

Working at Leyburn Bikes provided me with a variety of responsibilities, including: opening and closing the premises. As a contrast to my work at the Bolton Arms and Three Horseshoes, much of my time at Leyburn bikes was spent working independently, carrying out tasks such as equipping customers with specialist information regarding bicycle components and complete cycles to purchase, and working on customers' cycles including full services to brake pad replacements.

June 2013 – September 2017: The Bolton Arms, Redmire, North Yorkshire.

Kitchen Assistant, Waiter and Bartender.

Skills gained from employment:

- Communication and Organisational skills
- Customer service
- Handling money and numerical skills
- Working as part of a team and as an individual
- Training new members of staff
- Offering specialist advice and completing stock takes

Work Experience

December 2018: Artificial Intelligence Lecture and Workshop

I organised a lecture and workshop surrounding the topic of artificial intelligence for groups of sixth form students. I was tasked with creating demonstrations of agent-based models in NetLogo in addition to multiple programming exercises.

September 2015 – June 2017: Student Representative for Computer Science

As a student representative at my University, I was given the opportunity to report feedback from fellow students to help to improve aspects of my course. This position enabled me to experience formal meetings with academic members of staff and speaking in public, whilst also allowing me to develop my listening skills.

Skills and Attributes

Technical Skills:

- **Technologies:** Java, C#, VB.NET, UiPath, NICE, NetLogo, Clojure, SQL, Python, Machine Learning, Neural Networks, Docker, HTML 5, CSS 3, Git version control.
- **IDE Tools:** NetBeans, Visual Studio, Visual Studio Code, XCode NICE, UiPath, SSMS.
- **Databases:** SQL Server, MongoDB, MS Access.
- **Other Software Tools:** Word, PowerPoint, Excel, Publisher, Photoshop.
- **Operating Systems:** Windows Vista/7/8.1/10, Linux (Ubuntu, CentOS, Fedora), Mac OS X.

Soft Skills:

- Working with agile development methods.
- Working as part of a Scrum team.
- Presentational skills.
- Client interaction.

Other Skills:

- Clean, full driving licence.

Interests

Travel:

- I enjoy travelling, learning about and participating in a variety of cultures.
- I have visited countries including, France, Holland and Switzerland along with experiencing famous attractions including the Large Hadron Collider at CERN in Geneva.

Computer Hardware:

- I have a keen interest in computer hardware and have built many custom computers and experimented with techniques such as custom water cooling.