MATTHEW CLUTTERBUCK

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I am currently studying a degree apprenticeship in Computer Science at the University of Birmingham. This is fully funded by PwC, and I will complete two summer placements and a year in industry with the firm. In August 2019, I received my A-Level qualifications which enabled me to study at this university. I am passionate about computer programming, web development and hardware development, which I experiment with in my free time. I also have a profound interest and great knowledge of sports, particularly athletics (which I compete in regularly) and road cycling.

Education

BSc Computer Science with Technology Degree Apprenticeship (PwC)
2019 - Present

University of Birmingham (PwC)
Predicted grade: 1st
Year 1 Modules: Programming in Java (100%), Mathematical Foundations of CS (75%), Artificial Intelligence (93%), Logic & Computation (93%), Data Structures & Algorithms (96%), Introduction to Financial Analysis, Business Organisation & Management

A-Levels
2017 - 2019

Salesian Sixth Form, Chertsey, Surrey
Mathematics (A*), Computer Science (A*), Physics (A), Extended Project Qualification (A*)

GCSE's
2012 - 2017

Salesian School, Chertsey, Surrey
Mathematics (9), English Language (8), English Literature (7), Chemistry (A*), Physics (A*), Computer Science (A*), Business Studies (A*), History (A*), Biology (A), Religious Studies (A*)

Employment

2019 – Present

Technology Degree Apprentice, PricewaterhouseCoopers (PwC), Birmingham
- Completing summer placements and year in industry alongside studying for Computer Science degree
- Working within specialised technology teams to help satisfy the requirements of clients
- Summer 2020 placement has been cancelled due to the coronavirus outbreak. Instead I will have the opportunity to work within small teams on online projects in the coming months

2017 – 2019

Polo Goal Judge, Guards Polo Club, Windsor
- Responsibilities included assisting the umpires to determine whether a goal had been scored and controlling the scoreboard at some matches
- Demonstrated the ability to listen and liaise with others within a team to ensure the smooth running of high-level polo matches

2018

Classroom Assistant, Kumon Maths and English Study Centre, Egham
- Part-time role assisting the Instructor who would be running the session. Work included marking classwork and ensuring a smooth transition between back-to-back sessions. This

required me to behave professionally and solving issues which arose has improved my problem management skills
- My deep knowledge of mathematics enabled me to help children with their work, developing my communication skills whilst sharing my knowledge with others

2018   **Work Experience, British Airways Digital Operations, Heathrow**
- Placement with the team who manage BA's website, where I was able to gain an insight into the issues faced by a global corporation, including learning about the impact which data theft has had on their business
- Demonstrated a strong understanding of web related technologies when asked to design and improve an existing page on their website

2018   **Work Experience, Department of Electronic Engineering, Royal Holloway University, Egham**
- Shadowed staff within the department responsible for computing related hardware used by students studying at the university. Gained experience using 3D printers and computer design software
- Spent time with academic staff and learnt about their research projects, including a trial involving mobile phone networks

Interests & Activities

Athletics and Cross-Country Running
- Compete for both Windsor, Slough, Eton & Hounslow AC and the Birmingham University AC in events ranging from 3k to half marathon, in both track and cross-country races
- Consistently train 6 days a week, for many years, demonstrating high levels of motivation and determination, including representing Surrey XC Team at English Schools in 2019

Young Enterprise
- Finance director in small student company, responsible for overseeing the purchase and sales of luxury wellbeing products. This role included issuing shares and winding up the business
- Demonstrated my ability to communicate within a small team, whilst also being trusted with the responsibility of managing the company's capital

Extended Project Qualification
- Dissertation exploring the use of end-to-end encryption on applications such as Whatsapp, assessing the fine line between privacy and security
- Thorough research carried out for this report enabled me to confidently present my findings to my peers in a clear and concise manner

Computer Hardware
- Self-taught from a young age, gaining experience through use of Raspberry Pi and Arduino technologies
- Knowledge of links between hardware and software. Problem solving skills developed through many hours spent with components

Skills

- Python (basic understanding of Django) and Java (JavaFX, JUnit testing, Javadoc)
- HTML, CSS (basic knowledge of Bootstrap), JavaScript, PHP and SQL
- Currently undertaking online course in functional programming, specifically Haskell
- Knowledge of key financial terms and formulas, including account management