**MARK BROADBERRY**Top of Form

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**EDUCATION AND QUALIFICATIONS**

**BSc Computer Science**, TheUniversity of Birmingham (Expected Graduation 2024)  **2020 – Present**

Relevant modules include: Systems Programming in C/C++, Object Oriented Programming in Java, Artificial Intelligence

**A-Levels**, Salesian Sixth Form: Mathematics (A\*), Computer Science (A\*), Physics (A\*) **2018 – 2020**

**GCSEs**, Salesian School:7 Grade 9s(incl. Maths), 2 Grade 8s(incl. English) and 1 Grade 7 **2013 – 2018**

This corresponds to 9 A\*sand 1 A,according to previous grading systems.

**Alteryx Designer Core Certification**, Alteryx, Birmingham **July 2021**

**EMPLOYMENT**

**Technology, Data and Analytics Apprentice**,PwC, Birmingham **June 2022 – August 2023**

* Developed back-end and front-end features for a Google chatbot using **Google Apps Script**.
* Wrote **SQL queries** to perform data transformations and create data quality reports to be presented to clients.
* Created **Alteryx workflows** to perform data cleansing, implement data mappings, and apply data transformations.
* Created a bespoke **PowerBI** data insights dashboard used in a bid for a potential client engagement.
* Responsible for maintaining a project report detailing progress that was regularly presented to a client.
* Formalised the governance process for a data migration of client applications to cloud services.

**Intern**,IBM, London  **June 2019**

* Gained experience interacting with AI programs by evaluating the use of video analytics for theft prevention.
* Created an **AI cognitive chatbot**, using sentiment analysis to recommendations products to customers.
* Refined communication through regular engagement with my manager throughout the cognitive chatbot project.

**Participant**, National Citizen Service, Staines  **July 2018 – August 2018**

* Developed a distress-signal product for an elderly care facility using **Python** and electronic circuit prototyping.
* Elected as the ‘team director’, led a team of 12 to organise and implement a volunteering campaign which raised funds and awareness for a local mental healthcare charity.

**Squash Coach**,St. Georges Hill Lawn Tennis Club, Weybridge  **August 2019**

* Responsible for coaching a group of 25, planned and delivered coaching and took regular feedback from the head coach.

**PROJECTS**

**Music discovery full stack web application February 2023 – May 2023**

* Designed and developed a full stack web application using **Python Django**, **React JS**, and **PostgreSQL** in a team of 6.
* Created a matching algorithm that connected similar users based on their music taste.
* Developed using an **Agile development** framework, using sprints and prototype driven development.

**Database driven dynamic website February 2019 – November 2019**

* Designed and developed an event management and donation website using **PHP**, **HTML**, **CSS**, **JavaScript** and **MySQLi**.
* Produced extensive design and project management documentation including wireframe designs and process flows.

**ACHIEVEMENTS AND AWARDS**

**Elite Level Squash**

* I am a keen squash player, with a highest national ranking of 24. I have competed in national and international tournaments including the British Junior Championships and Dutch Junior Open.
* I am a qualified UKCC England Squash Level 1 squash coach and I am working towards gaining my level 2 qualification.

**Delegate**, IBM WebSphere Integration Conference, Hursley **June 2018**

* Attended a range of presentations throughout the day including a keynote on Hybrid Integration, “MQ on cloud at M&S” and “Lloyds banking group - using API Connect”.

**Music**

* I have achieved Piano Grade 4, and have played guitar and drums at a high level for over 5 years.

**Chess**

* I am an accomplished chess player, having competed in the UK Chess Challenge, reaching the regional final stage.