

MARK BROADBERRY

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EDUCATION AND QUALIFICATIONS

BSc Computer Science , The University of Birmingham (Expected Graduation 2024)	2020 – Present
Relevant modules include: Full Stack Development, Systems Programming in C/C++, Functional Programming in Haskell.	
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 This corresponds to 9 A*s and 1 A, according to previous grading systems.	2013 – 2018
Alteryx Designer Core Certification , Alteryx, Birmingham	July 2021

EMPLOYMENT

Technology, Data and Analytics Apprentice , PwC, Birmingham	June 2022 – August 2023
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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	
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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	
<ul style="list-style-type: none">I have achieved Piano Grade 4, and have played guitar and drums at a high level for over 5 years.	
Chess	
<ul style="list-style-type: none">I am an accomplished chess player, having competed in the UK Chess Challenge, reaching the regional final stage.	