Joe Moore

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EDUCATION

WARWICK UNIVERSITY
BSc (Hons) in Computer Science
Expected July 2022 | Coventry

First year: First
Modules include:
Programming for CS (82%)
Maths for CS 1 & 2 (85% & 92%)
Professional Skills (75%)
Computer Organisation &
Architecture (76%)

Second year: 2.1
Modules include:
Database Systems (88%)
Cyber Security (71%)
Algorithms (67%)
Software Engineering (64%)

MERCHANT TAYLORS'
2014 - 2019 | Northwood

A Levels:
A* Mathematics, A Physics,
A Computer Science

GCSEs: 9 A*s 1 A

Other:
A OCR FSMQ Additional Maths
A* EPQ on Artificial Intelligence

SKILLS

PROGRAMMING
Over 10,000 lines:
Java ● Python ● C ● LaTeX
Over 2000 lines:
C++ ● Haskell ● Prolog ● PHP
● SQL ● HTML ● CSS
Familiar:
Linux ● Git ● GitLab ● GitHub ● Flask

OTHER

I am a keen ultimate frisbee player and have been a member of Warwick Bears since 2019. From 2020 to 2021 I was the club's treasurer, overseeing the finances and drafting up and implementing a yearly budget. Since then, I have been the club's social secretary, organising and running weekly socials. As well as being a friendly face at club events to encourage recruitment and make newcomers feel welcome.

EXPERIENCE

DEUTSCHE BANK | Software Engineering Project
Spring 2021 | Coventry
- Worked in a SCRUM as a back-end developer in a team of 6 to develop a live meeting feedback system to display feedback from attendants on a webpage.
- Use of sentiment analysis of text was implemented to plot the average sentiment and mood of the comments being received.
- Awarded second place of 40 groups, with DB impressed with our *"more feature rich"* product, which included offensive language filtering and typo correction, as well as our 21-emotion model into which we filtered comments. They also commended us for our inclusivity with consideration of disabled and colour-blind users. Received a prize from DB for the product.

WARWICK SPORT REGISTER | Personal Project
Autumn 2020 | Coventry
- Due to COVID restrictions in the academic year 2020/21 it was necessary to book onto all sports sessions. However, the people running the sessions were not given a register of who had booked on. So, I created a program that could create a register from forwarded email confirmations.
- Developed a Python script to receive forwarded email confirmation. The script would validate if the email were a Warwick Sport email, and then if so, extract the name of the attendee and the date. This compiled into a register was then exported to a website that the event runners could access.
- This program was used by my sports club and allowed much easier tracking of attendance and booking at sessions, in a time when that was critical for public health, demonstrating my proactive attitudes to problems alongside my analytical and logical problem-solving approach.

PENETRATION TESTING OF BANK API | Project
December 2020 | Coventry
- As part of my cyber security module, I penetration tested a banking system to identify vulnerabilities, set up automated tests for the identified vulnerabilities and fixed the identified security risks.
- My submission was awarded a mark of 87% (far above average) with the module organiser praising the *"extensive nature of automated testing"* and *"strong mitigation of identified flaws"*. My submission and report can be found here.

CUSTOMERGAUGE | Work Experience
Summer 2018 | Amsterdam
- Engaged in a week's work experience in Amsterdam with CustomerGauge.
- Worked in their software development department, providing experience in industrial coding. Contributed to the improvement of their website alongside improving some of their artificial intelligence.

TUTORING | Tutor of A Level Maths and Computer Science
January 2021 - Onwards | Coventry
- Improved my explanation and communication skills and allowed me to learn new ways to explain or outline difficult concepts or processes to people who struggle to understand them.
- Developed the ability to tailor explanations to people's personalities, raising the grades of 5 students by at least 1 grade.

JOHN LEWIS | Sales Assistant
2017 - 2019 | Watford
- Customer focused part-time role in John Lewis in Watford as a sales assistant.
- Communicate with a range of customers utilizing key communication skills.
- Gained regular positive customer feedback, showing a hard-working nature.