

Ben Faulkner

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Education

September 2023 - Present

University of York - BSc Computer Science (with AI, year in industry)

Theory1, Mathematical foundations of Computer Science: 71%

Software1: Foundations of programming for Computer Science: 67%

Human-Computer Interaction: Introduction to User Centred Design: 58%

Theory2, Formal Languages and Automata: 54%

Software2, OOP, Data Structures and Algorithms: 83%

Systems1, Introduction to Computing Systems: 40%

September 2021 - July 2023

Stafford Grammar School - A Levels

Psychology AQA - A

Mathematics OCR - A

Computer Science OCR - A

September 2019 - July 2021

Stafford Grammar School - GCSEs

5 x Grade 9

2 x Grade 8

3 x Grade 7

Technical Skills

- Proficient in Python, familiar with libraries such as NumPy, Tkinter and Pandas, experience with Machine Learning algorithms using TensorFlow.
- Academic familiarity with Java and JavaScript.
- Understanding of software development principles.
- Experienced in creating intuitive and accessible UI / UX design.
- Strong abstract and practical understanding of data structures and algorithms.
- Ability to analyse and devise effective solutions for complex problems.
- Hands on experience hardware components.

Experience

May 2023

Wedding Photo Booth Assistant

- Assisted the running of a freelance photo booth business at weddings.
- From this I have developed the ability to communicate with clients and act on their requirements.

October 2021 - May 2022

Maths Tutoring

- Tutored year 7 pupils at Stafford Grammar School who struggle with mathematics.
- This experience has helped me to improve my ability to be able to communicate key concepts with others in a way that can be understood easily and quickly.

October 2021 - April 2022

Young Enterprise Finance Director

- Handled the role of Finance Director for a Young Enterprise business.
- In this role I handled the cashflow for the entire business as well as the balance sheets and final financial report.
- This taught me how to effectively delegate tasks to the team that I worked with as well as the responsibility to stick to self set deadlines.

August 2021

InvestIn - Young Computer Scientist Summer Internship

- During this experience I worked on real world projects that helped me to apply theoretical knowledge to practical problems.
- Also it gave me a greater understanding of the professional world within the discipline of computer science.
- Within the internship there were opportunities for developing skills which are important when collaborating or working within a team.

Interests, Awards, and Further Information

2023-2024 - Executed ~250 Forex trades resulting in a profit in excess of £5,500

2019 - 2023 - Played for Stafford Grammar School football and rugby teams

2023 - Completed a python project that used tensorflow machine learning to use a webcam as video input to then translate sign language to written English language. Also Designed GUI using Tkinter

2019 & 2021 - Built two high performance computers using individual pieces of hardware, this also involved interacting with the BIOS.

July 2019 - The world challenge, involved resilience, teamwork and responsibility for a team

2019 - Duke of Edinburgh Bronze

References available on request