

ALEX BURNET

CONTACT

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NG8 1FL

EDUCATION

2021 - Now
UNIVERSITY OF BIRMINGHAM

2019 - 2021
BILBOROUGH COLLEGE
NG8 4DQ

2014 - 2019
THE FERNWOOD SCHOOL
NG8 2FT

ACADEMIC GRADES

UNIVERSITY

Certificate of Higher Education in
Physics:

- 2:1 Grade for first year
- Studied difficult to understand theoretical concepts such as Quantum Mechanics, Relativity, Electromagnetism, Particle Physics, and Thermodynamics.
- 91% in Scientific Computing (numpy, matplotlib for data manipulation and simulations in python)

A - LEVEL
A*, A, A - Physics, Maths, DT

GCSE
9 9 9 9 9 8 8 7 6 6 A
9's in Maths, English, Sciences

ACHIEVEMENTS

- DofE Bronze and Silver, Gold in progress
- Senior Leadership Team Prefect
- Awarded the Fernwood School Gold Award.
- Grade 7 Trumpet

PROFILE

At the University of Birmingham, dedicated, motivated, and forward-thinking, with a profound enthusiasm for technology. A genuine passion for delivering top-tier results and thriving in collaborative environments that value innovation and problem-solving.

Dedicated to the field of computer science and eager to embrace challenges, positioned as a driven and reliable contributor to any project or team. Excited to apply academic knowledge and experience to tackle complex problems and deliver meaningful solutions in the world of technology.

EXPERIENCE

HARVARD CS50X
Online edX course

- Gained proficiency in programming languages, including C, Python, and SQL, through hands-on projects and assignments (Achieved 100%)
- Developed problem-solving skills by tackling complex coding challenges and debugging code effectively.
- Demonstrated dedication to self-directed learning and a commitment to continuous improvement in computer science knowledge and skills.

Numerous holiday work at family firm
ABURNET (HAIR CONTAINMET SOLUTIONS) LTD
Ilkeston, Nottingham

- Writing pictorial Standard Operating Procedures for manufacturing and general operative roles.
- Management of heavy goods operator license application.
- Product Development – sourcing of digital screens and digital printer to design and print prototype casing.
- Writing Java program to automate linear thread plan for high speed fabric machines - Saving the company more than 3 days worth of time.

SKILLS

JAVA

- Proficient in Java, through University and self-teaching. Strong understanding of JDBC, JavaFX and Concurrent programming for full stack development. Experience in NLP and word embedding to group news articles based on semantics.

FLASK

- incorporated the flask framework to create a website which allows people to 'buy and sell' stocks using the IEX api to get real-time stock prices. Multiple users can register and login to their own accounts to keep track of their stocks and values.

SOFT SKILLS

- Leadership - Brass Section Leader for the Robin Hood Youth Orchestra for 2 years
- Public Speaking - Often asked to present to the School Governors
- Organisation & Time Management - Managed the itinerary for a group of visiting Chinese students within one week.

INTERESTS & HOBBIES

- Strength Training
- Music - self-taught guitar
- Track days & Sim-Racing

LinkedIn: <https://www.linkedin.com/in/Alex-G-Burnet>
GitHub: <https://github.com/alexgburnet>