

# ALEX BURNET

## CONTACT

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NG8 1FL

## EDUCATION

2021 - Present  
UNIVERSITY OF BIRMINGHAM

2019 - 2021  
BILBOROUGH COLLEGE  
NG8 4DQ

2014 - 2019  
THE FERNWOOD SCHOOL  
NG8 2FT

## ACADEMIC GRADES

### UNIVERSITY

Computer Science: (2023 - present)

- 80% overall in first year:
- 87% in OOP
- 87% in Full Stack Development
- 82% in DSA

Physics: (2021 - 2022)

- 91% in Scientific Computing (numpy, matplotlib for data manipulation and simulations in python)

### A - LEVEL

- A\*, A, A - Physics, Maths, DT

### GCSE

- 6 x Grade 9
- 2 x Grade 8
- 1 x Grade 7
- 2 x Grade 6

(9's in Maths, English, all 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

Numerous holiday work at family firm

ABURNET (HAIR CONTAINMENT SOLUTIONS) LTD

Ilkeston, Nottingham

- Full Stack Development for mobile app and web app
- Developed programs to optimise linear threading for machines, automate repetitive tasks (saving 3 days of manual work), analyse statistics related to knitting machine faults.
- Product Development – 3D printing and Laser cutting machine parts to increase machine setting precision.

HARVARD CS50X

Online edX course

- Proficient in C, Python, and SQL (Achieved 100% in all Labs & problem sets)
- Demonstrated dedication to self-directed learning and a commitment to continuous improvement in computer science knowledge and skills over an 11 week period.

### GCSE TUTORING

- Tutored 3 students through maths GCSE (100% pass rate)

## TECHNICAL SKILLS

### PROGRAMMING LANGUAGES:

- Java, C, Python, JavaScript, HTML, CSS

### FRAMEWORKS AND TOOLS:

- Flask, React, React-Native (Expo), Spring, Docker, PostgreSQL

### DEVELOPMENT:

Full-stack application development:

- Developed and deployed systems for industrial applications with real-time machine fault tracking and analysis

Mobile Development:

- Built a multi-platform mobile app for testing and improving hair containment knowledge. Featuring user registration & JWT authentication.
- Conducted real user testing and implemented changes from feedback

### SOFT SKILLS

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

## INTERESTS & HOBBIES

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



<https://www.linkedin.com/in/Alex-G-Burnet>



<https://github.com/alexgburnet>