

DANIEL HARTGROVE

[EMAIL](#)[PORTFOLIO](#)[LINKEDIN](#)

Recent Computer Science graduate from the University of Nottingham. I have a strong passion for Object-Oriented Programming and Web Development. Proficient in Python and JavaScript.

WORK EXPERIENCE

FREELANCE WEB DEVELOPER: Daniel Hartgrove Web Services

NOV 2022 - PRESENT

I collaborated with clients to understand their unique brand vision and translate it into engaging website designs. I also offer an additional service to create high-quality social media content to enhance brand awareness and drive audience engagement. As a result, I have spearheaded successful rebranding initiatives for small businesses, boosting their market presence and revenue.

TECHNICAL EXPERIENCE

- Developed **commercial responsive web pages** for multiple businesses.
- Worked on a **prototype note-summary tool** using the latest **AI technology** and web requests to convert large text into a customisable summary containing subject notes.
- Developed an **application**, backed by UNiDAYS, that used **Google Maps data and UNiDAYS OAuth** system to provide a fresher's scavenger hunt experience to the city of Nottingham.
- Developed an **experimental algorithm** for **natural language generation** aimed at making role-playing game NPCs more interactive that could even run on low-end PCs
- Performed a **security audit** on a web server to reduce the number of vulnerabilities.
- Created a **scheduling algorithm** to maximise resources on a simulated CPU resources by creating process queues in C. This was done in parallel using mutexes to prevent race conditions caused by multiple cores accessing the same data queues.
- Developed experience in **Artificial Intelligence** through working on data science coursework and finding solutions in a search space.

EDUCATION

UNIVERSITY OF NOTTINGHAM:

- BSc (Hons) Computer Science (1:1)

THE DUSTON SCHOOL:

- A-Level Computer Science (A*)
- EPQ - Focused on AI (A*)
- A-Level Mathematics (A)
- A-Level Physics (B)

EXTRA QUALIFICATIONS

FREECODECAMP: Responsive Web Development, JavaScript and Data Structures, FrontEnd Development Libraries, Relational Databases

MICROSOFT: Foundational C#

OTHER EXPERIENCE

BUCS ATHLETICS, GAELIC FOOTBALL: Competed against other universities in the midlands as a full-forward in position 13.

THE DUSTON SCHOOL, ALUMNI, PRESIDENT: President of my secondary school's alumni committee, attended and presented at talks and interviews with GCSE and A-Level students to coach them to best prepare for their future.