AARON CUNNINGHAM

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		GitHub	

PROFILE

Dedicated Computer Science student with a background in the British Army, currently pursuing a Bachelor of Science degree at Newcastle University. Proven ability to balance academic commitments with part-time work for a charity, resulting in valuable professional experience and refined soft skills. Actively seeking internship opportunities to enhance technical and professional experience within diverse environments.

SKILLS

- **Programming Languages**: Python, Java, C.
- **Web Dev**: HTML, CSS, Flask, React, JavaScript, Tailwind CSS.
- **Data Frameworks/Databases**: MYSQL, MongoDB, Database Design, Hibernate, Pandas.
- **Version control**: GitHub, commits, push, branching/merging and collaborating on team projects.
- **Networking**: Network layers, their realisation in TCP/IP, Protocols.
- **IDE's**: VS Code, IntelliJ, PyCharm, WebStorm, CLion.
- **Additional**: Socket programming, Web Security programming, Systems programming (IPC), OOP.
- **Languages**: English (Fluent), German (A1).

EDUCATION

Newcastle University, September 2022 – June 2025
Bachelor of Science, Computer Science (With Honours)
- **Year 1 Modules**: CSC1031, CSC1032, CSC1033, CSC1034, CSC1035
- **Year 1 Grade:** 1:1 / 82.2%

- **Year 2 Modules:** CSC2031, CSC2032, CSC2033, CSC2034, CSC2035
- **Year 2 Grade:** Not released.

Freie Universität Berlin, July 2023 – August 2023
German Language A1
- **Grade**: 1.3 (First Class)

Middlesbrough College, September 2021 – June 2022
Level 3 Computing
- **Subjects**: Programming, Mathematics for Computing, Mathematics, Computer Systems, Database Applications, Systems Analysis and Design, Webpage Design and Production, Cyber Security
- **Grade**: 45/45 credits at Distinction (100%)

PROJECTS

Airbnb clone website (Frontend): [Source Code](#) | [Live Site](#)

React, Next.js, JavaScript, Tailwind CSS, Calendars w/react-date-range, Maps w/Map-GL.

- This application was built to represent the **Airbnb website,** although not a 1 for 1 copy, it highlights the feel and ease of Airbnb while maintaining **full responsiveness** for **desktop** and **mobile devices**.

- It was built using **React** with the **Next.js** framework. It incorporated **Tailwind CSS** for styling, **TypeScript,** and **App Router** to navigate with **server-side** rendering.

- Incorporates a Map using **Map-GL** and Calendar system using **React-Date-Time**.

- Has **shareable URL filters** so one friend can **share search results** with another friend **without** them needing to **log in**.

Moki Clothing Website: [Source Code](#) | [Live Site](#)

React, JavaScript, Tailwind CSS, Node.js, MySQL, Express

- This project was based off a **modern** and sleek clothing company. I was **inspired** by many clothing websites of features I liked the most in order to come up with the design.

- Experimented with **backend** technologies in order to log users in and out and create sessions with **express session**.

- The design is **fully responsive**, and obtains images, and details from an **API**.

Lottery Web Application: [Source Code](#)

Python, Flask, Hashing, Encryption/Decryption, Authentication, Authorisation, PostgreSQL, reCAPCHA

- Additional features: Hashed passwords, 2FA using Pin keys, Role based access control, Logging, validation of user input, security headers, digital signatures,

- This is a lottery simulation application which has Admin features and user features.

- The user can submit lottery numbers (Random or self-generated) which would be **encrypted** and then the admin will be able to run the lottery by choosing a random winning draw.

EXPERIENCE

Sue Ryder Charity, Northallerton, October 2021 – September 2022
Delivery driver

- Worked within a team of 3 and trusted to make fast and efficient pick-up and delivery services to 100's of vulnerable clients.

- Designated to plan and coordinate my pick-up and delivery routes throughout Yorkshire.

British Army, United Kingdom/Estonia, March 2016 – June 2021
Soldier | Logistics

- One of 3 selected out of a troop of 20 to manage and issue specialised military equipment to personnel deploying on exercises.

- Advised route planner colleagues on quicker and more efficient routes to my intended destinations.

- Took charge of highly flammable fuel vehicles and distributed fuel to other military vehicles

- Sole qualified EPLS operator within my squadron, responsible to coordinate the deliveries of ISO and flat rack containers within a timely matter to soldiers on the training ground.

- Completed a team medic course which gave the responsibility of taking care of a section of 12 personnel within my troop on military exercises.