

BENJAMIN MCGREGOR

Junior Software Developer

benjamin.mcgregor2002@gmail.com | 07513 399969 | [Website](#) | [GitHub](#) | [LinkedIn](#)

PERSONAL STATEMENT

Proficient programmer with experience in open-source development, First-Class Honours Computer Science degree-holder from the University of Leicester, and graduate from Northcoders' Software Development bootcamp, seeking a Junior Software Developer role.

A life-long interest in computers lead me to pursue Computer Science and Software Development, and to discover that I thoroughly enjoy building projects, writing code, and collaborating with others.

I have experience with Java, JavaScript, TypeScript, Python, and C#, and have created web applications, APIs, desktop applications, and databases as part of personal projects, open-source work, and formal education.

SKILLS

- **Languages:** JavaScript, TypeScript, Python, Java, Bash, C#, HTML
 - **Frontend:** CSS, React, React Native, Expo, WinForms, Swing, Tkinter
 - **Backend:** Express, Spring, SQLite, PostgreSQL, MySQL
 - **Testing:** Test Driven Development (TDD), Jest, Junit, Pytest
 - **Source Control:** Git, GitHub
 - **Other:** Pair programming, technical communication, agile/SCRUM
-

PROJECTS

[MuralMap/MuralMap API](#)

Street art mapping and photo sharing Expo/React Native application written in TypeScript with a JavaScript Express API and PostgreSQL backend.

[DocuBleach](#)

PyPi-published command-line cybersecurity tool written in Python designed to detect and purge macros/dynamic content from commonly-used modern and legacy office formats.

[TedEncrypt](#)

GUI-based file encryption tool written in C# using the .NET framework that employs an unconditionally secure stream cipher to encrypt files bitwise with a generated key.

EDUCATION

University of Leicester | BSc Computer Science (First-Class Honours) | September 2020 - July 2023

- Learnt Java, Spring, Python, Bash, HTML, CSS, and C++ fundamentals
- Developed Spring APIs, websites, Android applications, and MySQL databases
- Studied Cyber Security, Operating Systems, Networking, Artificial Intelligence, Innovation Management, Computing Ethics, Software Engineering, Requirements Engineering, and Cloud Computing

Northcoders | Software Development Bootcamp | July 2024 – October 2024

- Built Express APIs, PostgreSQL databases, and React front-ends
- Learnt JavaScript, Node.js, HTML, and CSS fundamentals
- Developed Jest test suites to practice test-driven development and quality-assurance
- Regularly engaged in pair programming with numerous partners using Zoom/Slack

Brooke Weston Academy | A-Levels (Various) | September 2018 – July 2020

- Biology (A*)
- Computer Science (A)
- English Literature (B)

Functional Skills UK | Cyber Security Level 2 Certificate | March 2024 – July 2024

- Studied common and emerging cyber threats
- Explored preventative measures and effective responses for cyber attacks
- Learned about vulnerability and penetration testing
- Researched legal and ethical aspects of cyber security

Bedford College | Coding Level 2 Certificate | October 2024 – January 2025

- Studied coding design principles and the SDLC
- Explored various programming languages
- Developed communication and project management skills

Brooke Weston Academy | GCSEs (Various) | September 2018 – July 2020

- English Language/Biology/English Literature/French (9/8/A*)
- Computer Science/Chemistry/Physics/Mathematics/History (7/A)

EXPERIENCE

Open-source Developer | Anti Malware Alliance | May 2024 – Present

- Joined the Anti Malware Alliance (AMA) to contribute to an open-source project
- Authored and continue to develop and test the 'DocuBleach' CLI cyber security tool
- Enhanced programming skills and engaged in collaborative development

Owner/Computer Hardware Specialist | Moses Technology | September 2018 – January 2020

- Established and operated an online store selling salvaged computer components
- Purchased, refurbished, and sold reclaimed hardware
- Ensured customer satisfaction through quality service and effective communication