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<https://github.com/MacKenzieOBrian>

Mackenzie O’Brian

Computer Science undergraduate with a keen interest in expanding current technical expertise in real-world applications. Resilient worker dedicated to upholding high standards of performance and gaining valuable employment experience.

## Education

2020-2022

* Computer science, Maths, Psychology, The Minster sixth form (BCB respectively)

Gained a qualification as a sports leader and achieved an A on an additional Level 3 course on the effects of artificial intelligence on surveillance

2021-present

* BSc(Hons) Computer Science

data structures and algorithms, functional programming (erlang, ocaml), the c language as well as multiple java projects based around information handling.

# Skills and Achievements

# Projects: School Projects:

* Battleships (Python) UML design to Java OOP
* Blackjack (Python) Relational database implementation from CSV (MySQL)
* Boxing Game(C++) University management system (Binary tree, DSA)
* Compiler (Java)
* Sign up page (HTML)
* CSV to XML (Java)

## Technical Skills:

* Programming Languages: Java, C, Python, Functional languages
* Web Development: HTML, CSS, and JavaScript
* Database Management: SQL and database management systems like PHPmyAdmin
* Version Control: Experience with Git and GitHub for collaborative coding and version control.

Problem Solving and Innovation

* Utilized data analysis libraries in Python like Pandas and NumPy to analyse large datasets and plotting charts
* Web applications using JavaScript and HTML/CSS
* Developed a fitness plan app in sixth form which would adapt and suggest workout routines based off user ratings and experience, keeping a database of different exercises in a JSON file.

## INTERESTS

Maintain a keen interest in boxing and boxed out of my hometown gym for over 7 years, competing in tournaments and training alongside national level fighters. I now help on the committee of the University boxing club as captain.

## EXPERIENCE

MARCH 2020 – SEPTEMBER 2022

FRONT OF HOUSE, THE GROVE INN, NEWARK, NG24 3AL

My role included serving guests food and drink, closing and cleaning the pub at night and working back of house when asked. Later in my employment I also helped train new members of staff.

JUNE 2023 – PRESENT

CUSTOMER ASSISTANT, VUE CINEMA, STIRLING

As a customer assistant my job varies from cleaning the screens to taking orders on concessions, each shift requires me to be organised and responsible for tasks to help the cinema run smoothly.