# Jacob Edwards

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## PERSONAL PROFILE

A dedicated Software Engineering Student with a strong academic background and some commercial experience. Possesses the ability to think through a problem coupled with the confidence to make ideas heard. Currently looking to further skills by working a summer internship, specifically in a suitable company that can offer a uniquely varied and fascinating working environment to implement skills and techniques for Software Development and Software Engineering.

## EDUCATION

**BSc Software Engineering | First Year Average (77%)**

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|---|---|
| Manchester Metropolitan University | September 2017- present |

Modules: • Web Design and Development • Advanced Programming • Database Systems • Professional Development • Information Systems • Computer System Fundamentals

**Access to Science | (39 Distinctions, 6 Passes)**                         | September 2016- July 2017

**Extended Diploma in Business | (Triple Merit Grade)**                   | September 2011- July 2013

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|---|---|
| Birmingham Metropolitan College | |

**GCSE's | (8 B – C GCSE's)**

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| Holyhead School: • Double English • Mathematics • Science | September 2006 - July 2011 |

## PROJECTS

**Vehicle Database | Individual Project (95% grade)**

- Engineered a user-friendly Vehicle Database System; Constructed a Java back-end application which executed CRUD operations and acted as a server, this interacted with the web front-end and an SQLite Database.
- The project required the implementation of; object-oriented programming, inheritance and polymorphism, simple debugging strategies plus much more. A professional approach to coding was simultaneously being developed, by working against a deadline and ensuring the code was readable.

**Android Mobile Application (Vehicle Database) | Individual Project**

- The Java back-end application executed CRUD operations in a RESTful manner with the implementation of API keys.
- The project required implementation of; JSON understanding, threads and data persistence, asynchronous programming, error handling, XML, custom layouts and much more.

**Backend System Development | Live Client Group Project (Tour De Manc)**

- Engineered a system for a Manchester-based Cycling event company; constructed a back-end interface using PHP coupled with a MySQL database, implemented a front-end website and applied the use of Google Vision's Facial Recognition API to develop software which could ultimately detect rider numbers from images upon upload.
- The project built on skills required to work with/for a real company, such as; working flexibly to meet demands, team-working skills, determination skills, developing and testing useful code.
- Collaborated and participated in Scrum/Agile meetings, alongside executing sprint planning with code reviews.

## RELEVANT EXPERIENCE

**Spring Internship | Barclays**                                                       | 8th April 2019- 12th April 2019

- An Introduction to Barclays and the influence emerging technologies are having on the financial industry, including Biometrics and Virtual Reality.
- Delivered a presentation to senior members at Barclays on a potential use of Virtual Reality in the financial industry, particularly how Barclays can use it innovate and improve their customer experience.

**IT Rover | Manchester Metropolitan University**                        | September 2018- present

- Provide IT support with regards to technological equipment/hardware for staff and students.
- Responsible for the maintenance and upkeep of IT equipment for the University.

## ADDITIONAL SKILLS AND INTERESTS

**Interests:** Mixed Martial Arts: Jiu-Jitsu /Hackathons          **Languages Used:** HTML5, CSS, PHP, MySQL, JavaScript, Java