

# Jacob Edwards

SOFTWARE ENGINEERING STUDENT

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## Experience

### Boohoo

Manchester, UK

SOFTWARE ENGINEER INDUSTRIAL PLACEMENT

Jun. 2019 - Jun. 2020

- Improved a business-critical product monitoring process by implementing a front-end user interface coupled with a Java RESTful API controller.
- Automated and resolved a two-year supplier order failure bug by proposing and implementing an enhanced validation process with retry mechanisms via the use of Apache Camel in Java and Amazon SQS.
- Improved efficiency of product information maintenance by building a new Java application which ensures data consistency by executing a site-wide conversion of necessary product information.
- Increased test coverage of the application stack through the implementation of unit, integration and acceptance testing.

### Code Club

Manchester, UK

MENTOR

Sep. 2019 - present

- Volunteer as part of a small team to develop the coding skills of students aged 9 to 13, specifically; HTML, CSS, JavaScript and Python.

### Barclays

Knutsford, UK

SPRING TECHNOLOGY INTERSHIP

Apr. 2019 - Apr. 2019

- Delivered a presentation on the use of Virtual Reality in the financial industry, particularly how it can be used to improve overall user experience.

## Projects

### Lyrical.ly

- Developed an application to generate a playlist in Spotify containing a user's liked music videos from Youtube.
- The application can also retrieve and display song lyrics on the console via web-scraping and Genius' API.
- Implemented Python, web scraping and multiple API's (Spotify, Youtube and Genius).

### Bytefit

- Developing an automated meal planner to provide guidance in order for individuals to reach their fitness goals.
- Implements Node.js, MongoDB, JavaScript and Python.

### Tour De Manc

- Engineered a system for a Manchester-based Cycling event company to allow the detection of rider numbers from images upon upload.
- Implemented PHP coupled with a MySQL database, a front-end UI, and the custom application of Google Vision's facial recognition API.

### Vehicle Database

- Developed an Android and Web application used for storing and modifying information about vehicles.
- Implemented a Java RESTful API secured with API keys with the ability to handle CRUD requests. (Java, HTML, CSS, JavaScript, SQL)

## Education

### Manchester Metropolitan University

Manchester, UK

B.S. SOFTWARE ENGINEERING

Sep. 2017 - Jun. 2021

- Programming (Java, Python)
- Database Systems (SQL, NoSQL, Networking)
- Web Development (HTML, CSS, JavaScript, Node.js, PHP)

## Skills

**Languages** Java, Python, JavaScript, HTML, CSS, PHP

**Frameworks/Tools** MongoDB, Node.js, Git, AWS, Spring, Postman, TDD, Linux (Ubuntu)

## Extracurricular

### Udemy

ONLINE COURSE

Sep. 2019 - Mar. 2020

- Complete Python Bootcamp