

Jacob Edwards

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Experience

Barclays

Software Engineer Intern

Glasgow, Scotland
July 2020 - August 2020

- Developed a feature which allows users to interact with and view complex relationship data stored within the database; accomplished by creating a user interface in Angular, coupled with a Java Spring Boot API.
- Implemented end-to-end feature testing by incorporating JUnit, Cucumber and Protractor frameworks.

Boohoo

Software Engineer Industrial Placement

Manchester, UK
June 2019 - June 2020

- Increased the efficiency of a business-critical product monitoring process by 70% after implementing a user interface with a Java RESTful API controller.
- Automated and improved a two-year supplier-order failure resolution process by 92%, achieved by proposing and implementing an enhanced validation process using Apache Camel in Java, combined with a retry mechanism using Amazon SQS.
- Improved the efficiency of product information maintenance, achieved by building a new Java Spring Boot 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 TDD and BDD.

Code Club

Coding Mentor

Manchester, UK
September 2019 - ongoing

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

Education

Manchester Metropolitan University

BSc Software Engineering with Integrated Placement Year

Manchester, UK
September 2017 - June 2021

- Expected: **First Class Honours**

Projects

Bytefit

- Created an automated meal planner to help individuals achieve their health and fitness goals.
- Implemented Java, MySQL, JavaScript, HTML, CSS, Git and Docker.

Lyrical.ly

- Developed an application which allows users to generate a playlist in Spotify containing their liked music videos from YouTube.
- The application can also retrieve and display song lyrics via web-scraping and Genius' API.
- Implemented Python, web scraping and multiple API's (Spotify, YouTube and Genius).

Career Chat (Final year project)

- A Chatbot application which provides tailored career information to prospective Software Engineers.
- Implemented Python, Flask and the ChatterBot library.

Tour De Manc (4-person project)

- Created a web application to improve the inefficient photo storage process of a Manchester-based Cycling event company, the application automatically groups photos by identifying a rider's number from images upon upload using an API.
- Implemented PHP coupled with a MySQL database, and the custom application of Google Vision's facial recognition API.

Extracurricular

- **Bright Network** | Technology Internship Experience June 2020
- **JP Morgan Chase** | Software Engineer Virtual Internship Experience May 2020
- **Man Met Hackathon Society** | Man Met Hacks 2.0 January 2020
- **Sky** | Software Engineering Day October 2019
- **STEM Ambassador** June 2019 - ongoing