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**Education**

**BSc Hons Computer Science with Cybersecurity |** Classification: **First**

**Brighton University | September 2019 - June 2022**

**Specialised in:** Object-oriented design and architecture, data structures and algorithms, secure networks and systems, concurrency, and client-server computing.

**Employment history**

**Las Iguanas | February 2018 - June 2022**

Bartender

* **Improved communication** and **teamwork skills** through interacting with customers and collaborating with colleagues.
* **Developed strong problem-solving** and **time management** abilities through managing busy shifts and **handling unexpected challenges**.
* **Demonstrated adaptability** and **flexibility** by quickly learning and adjusting to new environments and processes.

**Software projects**

**Open banking application**

* I **develop a responsive web application** that allows users to access and manage financial data from multiple FSCS-approved banks through a single platform within an 8-month timeframe using an **agile mythology**.
* Acquired proficiency both **Node.js** and **Express** in 1 month to **construct a robust RESTful backend server**.
* Expertly **implemented a secure data retrieval API** that enabled efficient storage and management of persistent data using **SQL**.
* **Enhanced data security** by quickly learning and **implementing OpenSSL's AES encryption** for data transmission.
* Met my deadline and delivered a user-friendly platform that allowed users to access and manage data. Resulting, in me obtaining a First for my Final year project.

**Digital receipt ledger**

* Developed a **Java-based** digital receipt management application **utilizing** **AWS** for reliable and scalable infrastructure for my university **Codefest kickstart programme**.
* Acquired proficiency in **Java** to **optimize memory efficiency** through **advanced Lossy compression** techniques to maintain perfect image quality.
* **Built a robust and scalable backend infrastructure** using **Java**, **Spring Boot**, **Hibernate**, and **JPA**, resulting in seamless data storage and retrieval capabilities.
* Received **positive feedback** from professors and industry mentors who reviewed my work.

**Facial Recognition app**

* Develop a **Java-based** facial recognition application utilizing the **OpenCV** library, capable of real-time image and video processing.
* Implemented advanced algorithms to that provides facial recognition, achieved significant performance enhancements through the use of **multithreading**.
* Delivered a cutting-edge solution that provides real-time facial recognition of images and frames of videos, with improved performance and accuracy.

**Achievements**

**Winner of the Second Annual Codefest**

* Winner of the Second Annual Codefest in the second-year category. A competitive university event that allowed me to apply my coding skills, **critical thinking skills**, and complete tasks in a **highly competitive environment**.
* Tasks included navigating **data structures**, creating a simple weather app for pilots, and an array of **abstract problem-solving**.

**Joseph Batchelor**

**Contact**

**Skills**

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* **AWS**
* **Jenkins**
* **Maven**
* **Junit**
* **MySQL**
* **Postgres**
* **React.js**
* **AWS**
* **Spring**
* **Hibernate**
* **JPA**
* **Java**
* **JavaScript**
* **SQL**
* **Python**

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[GitHub](https://github.com/JosephBatchelor)

**Language’s**

**Framework’s**

**Tool’s**