

JOSHUA BLACKMORE.

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EDUCATION

Leeds Beckett University • BSc Honours in Computer Forensics & Security

Sept 2017 - July 2020

Modules: OOP in Java, Adv Software Engineering in C#, Databases with SQL, Web & Network Security, Adv Digital Security, Web Development (HTML, CSS, JavaScript), Incident Response

SKILLS

Languages: Python, JavaScript, Java, SQL, C#

Technologies: Jupyter, Scikit-Learn, Keras, Azure, AWS, Django, MySQL, Bash, Git, Kali Linux

PROFESSIONAL EXPERIENCE

Data Engineer

London, EN

Sparta Global.

May 2021 - Present

- Built an ETL pipeline to transfer a collection of various data types from Amazon S3 to a MongoDB datastore.
 - Responsible for leading a team of developers and discussing technology with the team Business Analysts.
 - Designed and implemented a data transformation algorithm so the data could be efficiently used for data analysis.
 - **Resulted in a fast transformation pipeline with digestible data for analysis models. This analysis was used to accurately predict how likely a trainee was to succeed on the training programme at Sparta.**
- Built a simulation of the Sparta student intake and passing rate over timelines of months to years.
 - Team role of Scrum Master, tasked with ensuring the project followed Agile values, mitigating obstacles, and reinforcing strong communication within the team.
 - Communicated with the product owner with updates and requirement gathering.
 - **Resulted in smooth operation throughout the project with a simulation built in python that successfully provided information on how the company may need to scale over a 5+ year timeline.**

Website Manager

Huddersfield, EN

Equiflair Saddlery LTD.

Jun 2017 – Jun 2020

- Worked on adding new seasonal products to the store back-end and updating stock volumes across all connected 3rd party platforms including Shopify, Amazon, and eBay.
 - Designed detailed and dynamic product order slips with HTML/CSS that were sent with all customer orders.
 - Managed the Equiflair Amazon S3 storage account, updating product material.
 - **Resulted in a better flow for stock turnover and changes to seasonal product lines. Consequently, bringing more customers to the Equiflair site over competitors.**

PROJECTS

Titanic Survival Rate Titanic Survival Rate ML challenge on Kaggle using a logistic regression model in Python.

Discord Bot Python based smart assistant for discord, provides stock updates and several games.

Distraction Blocker Python application made to block distracting apps so the user can focus while the app is active.

Wizards Card Game Pygame turn-based card game using OOP principles, has several functional combat systems.

Crypto Trading Bot Grid trading algorithm that sets dozens of buy/sell orders executing based on a set pattern.

INTERESTS

Astronomy • Coding Challenges • 3D Printing • Maths Challenges • Machine Learning • Running • Climbing