JOSH BLACKMORE

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EDUCATION

University of Leeds
Leeds, UK
Master of Science in Artificial Intelligence
May. 2023 – 2025

Leeds Beckett University
Leeds, UK
Bachelor of Science in Computer Forensics & Cyber Security
Sep. 2017 – July 2020

EXPERIENCE

Data Engineer
London, UK
IQEQ Financial Services
Dec. 2021 – Present
- Developed an SSIS package in Visual Studio to perform the ETL process including data cleaning queries and restructuring to fit the target data store.
- Developed a static report containing a vast amount of detail on the loaded data. This included validation checks to ensure that any incorrect calculations, formatting, missing fields were flagged so if needed that part of the process could be amended.
- Sourced a real time Power BI dashboard environment as an extra feature, so the client had better visibility on the success of the project and to introduce a new technology to the team.
- Automated a complex 50000+ file formatting task with Python. Reducing the task down to one team member and saving several days of labour.

System Integrator
Wakefield, UK
PC Specialist
Oct. 2020 – Feb. 2021
- Constructed personalised high-end computer systems for various clients and provided hardware recommendations.
- Collaborated with high-profile Esports teams to develop customized systems and discuss specifications.
- Performing hardware troubleshooting and system testing prior to distributing to users.

PROJECTS

Rei | *Python, chatGTP, Voice Synthesis, TTS, STT*
Mar. 2023 – Present
- Implemented chatGPT as a temporary solution for lookup tasks and conversational functionality.
- Using googles voice synthesizer API, implemented the ability for a user to change the assistant voice based on their own preference.
- Implemented some basic and immature time functionality, reminders, notes etc.

ZoneIn | *JavaScript, HTML/CSS, UI/UX, Chrome Manifest V3, Chrome Extension*
Jun. 2022 – Jul. 2022
- Implemented a feature to toggle website blocking for a user specified list of sites.
- Developed an intuitive UI that can be easily navigated by individuals with varying levels of computer literacy.
- Added a "hard block" option for sites the user never wants to visit which runs at all times.

SolarAdvantage | *Python, Anaconda, Jupyter, Docker, Big Data, PostgreSQL, Django, ETL*
Jan. 2023 – Present
- Developed an automated ETL pipeline to pull data from a weather API to a cloud database.
- Automated a data cleaning process, to gather only relevant information and change formatting.
- Created a front end with HTML/CSS to display data from the Django based back-end and also to retrieve data.

Nami Discord Bot | *Python, Discord API, Web Scraping*
Aug. 2021 – Dec. 2021
- Developed a multipurpose discord bot for a small server of friends. Which has been live for over a year.
- Implemented the ability to retrieve live stock and crypto updates by scraping popular sites.
- Capable of simple communication and several game and utility functionalities.

TECHNICAL SKILLS

Languages: Python, JavaScript, C++, C#, SQL (Postgres, MSSQL), HTML/CSS, Latex, md, Bash
Frameworks: React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI
Developer Tools: Git, Docker, Google Cloud, VS Code, Visual Studio, AWS, Azure
Libraries: Scikit-Learn, Tensorflow, Keras, Pytorch, Pandas, NumPy, Matplotlib