

HAMMADA BALLALI

Nationality : Spanish . Right to Work in the UK under the EU scheme. Pre-settled

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EDUCATION

Computer Science Bachelor Degree - Liverpool Hope University – 1st Class 06/2023

Master of Science Software Engineering and Artificial Intelligence – University of Wales Trinity Saint-David- 09/2024

LANGAUGES

English : Proficient
Spanish: Native
Arabic: Native
French: Advanced

WORK EXPERIENCE

Technical Assistant (10/2022-08/2023) - providing support and assistance to teachers in the department of primary mathematics at Liverpool Hope University by collecting and exposing data, collecting articles for researches, etc. (Excel, Word, PowerPoint)

Application Support Specialist (06/2023-current job) – AWS, Windows Server, Ubuntu Server, Windows SQL, PowerShell, C#, .NET, KOTLIN – Android Studio, SWIFT, Customer Support, Sales Engineering.

I'm a Computer Science graduate with a 1st class degree achieved from Liverpool Hope University in Liverpool, UK. Currently, I am Application Support Specialist in a software company has honed my skills and deepened my understanding of software systems and I am pursuing a Master's Degree in Software Engineering and Artificial Intelligence at UWTSD, further enriching my knowledge and capabilities in the ever-evolving field of software development

Degree and Masters Curriculum:

- Agile Development and Software DevOps
- OOP – JAVA/C++
- Web Development – JavaScript/HTML/CSS – MongoDB – Node.js/Express.js
- Unity3D/C#/VR
- Application of Machine Learning – NumPy/Pandas/TensorFlow
- Artificial Intelligence – NN/Deep Learning
- Cloud Engineering Principles and Practice
- Data Security, Governance and Compliance

Tech Stack

- | | |
|---|------------------------------------|
| - | MySQL |
| - | NoSql (MongoDB) |
| - | Python |
| - | Node |
| - | Javascript |
| - | Express |
| - | Java |
| - | Angular |
| - | C++ |
| - | Lua (IoT, Love2D) |
| - | Unity (C#) |
| - | Visual Studio/Code |
| - | HTML |
| - | Linux/Ubuntu |
| - | CSS |
| - | PHP |

University and Personal Projects

Games development

Game in Lua/Love2D implementing OOP
<https://github.com/HammadaBE/LuaNinjaGame>

Simple JAVA/Processing Game implementing OOP
<https://github.com/HammadaBE/Simple-Game-in-Processsing>

WEB Development

Commercial Website (HTML, php , Apache wamp server/ mysql):<https://github.com/HammadaBE/Web-Site-Product-Management>

MERN stack WEB applicationn Rent A Car Management:
<https://github.com/HammadaBE/MERN-stack-project--Rent-a-Car-Website>

Electronics/Robotics

Team Coursework Formula All Code Robot controller accessed through aWindows Login form (OOP and Functional):
<https://hammadabe.github.io/Hammada-Ballali-Web-Portfolio/postRoverControl.html>

Undergraduate Summer Scholarships 2022: Research Projects Development of EMG-driven GUI :
<https://github.com/HammadaBE/Development-of-EMG-driven-GUI-Arduino-and-Processing>

Machine Learning/AI

Data Science Project To evaluate Djisktra and BellmanFord algorithms in Pyhton:
<https://github.com/HammadaBE/Modelling-network-disruption-in-link-state-and-distance-vector-network-simulations>

Bitcoin and USD/EURO value Prediction – A comparative study
https://github.com/HammadaBE/Machine-Learning-Project-_-Bitcoin-and-USDEURO-prediction_-A-comparative-study

Certifications

JPMorgan Software Engineering Virtual Experience Program on Forage –February 2023

- Interface with a stock price data feed
- Use JPMC frameworks and tools
- Display data visually for traders

Udemy - Lua Programming and Game development with Love – March 2023

- Lua Programming
- Love2D

Udemy - Machine Learning Practical Workout - March 2023

- Applied Machine Learning/AI to Data Science projects

Portfolio, Github and LinkedIn

<https://hammadabe.github.io/Hammada-Ballali-Web-Portfolio/>

<https://github.com/HammadaBE>

<https://www.linkedin.com/in/hammadaballaliebbi4aa5091ba/>