ALI MROWEH

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Education

Master of Science, Information Management (*Distinction*)   **2022**

The University of Sheffield, Information School, Sheffield, United Kingdom.

Bachelor of Science, Computer Science   **2021**

Lebanese University, Faculty of Sciences, Hadath, Lebanon.

Work History

Web Developer – Interactive Web Visualizations   **July 2022 – Oct 2022**

The University of Sheffield, UK

– Developed force-directed network graphs using D3JS JavaScript library as a data visualization tool to help visualize organizational entities and relations.
– Collaborated with industry to customize graph to reflect their business model, giving them an edge in their user interface compared to their competition.
– Utilized the Fetch API to create, send, and receive HTTP requests and responses and manipulate JSON data to update the network graph.

Digital Student Ambassador   **January 2022 – Present**

The Ambassador Platform, UK

– Had 36 conversations with prospects to answer their questions and advise them on various topics about The University of Sheffield and my experiences.
– Written 3 in-depth answers to frequently asked questions that have been approved by the University of Sheffield and are shown to prospects.
– Posted content regularly to engage with prospective students and give them an idea about living and learning in Sheffield

Student Ambassador   **2021 – 2022**

Information School, University of Sheffield, UK

– Supported prospective students with information about the Information School and life in Sheffield
– Translated Information School flyers from English to Arabic
– Shot a video about the University of Sheffield's most iconic buildings (https://youtu.be/suJ_HfHKBAI)
– Created an infographic video about librarians in the UK using Canva software (https://youtu.be/XicXlIF-roQ)
– Created a blog post on the User Researcher Industry (URI) day (http://information-studies.blogspot.com/2022/08/the-user-researcher-industry-day.html)

Relevant Projects

– ISWA Lebanon website: maintenance of old website and upgrade (complete overhaul) into newer one – Laravel framework with MySQL, HTML, CSS, JS (www.iswalebanon.org)

– Report: "Action Plan for the Diversion of Organic Waste in Tyre, Lebanon" – Contributed to GIS based (ArcMap) data analysis and graph/map creation (https://www.iswalebanon.org/publications/15)

– Gender Inequality Worldwide (using Tableau): Dashboard showcasing the Gender Inequality Index (GII) variation between countries as well as trends over time – Created using Tableau (https://public.tableau.com/app/profile/ali.mroweh7393/viz/INF4001-Final2/Dashboard).

– Recipe Recommender System (using Python, SQLite): developed a program that reads a list of recipes and constituent ingredients from a .csv file, analyzes their greenhouse gas

emissions and flavor molecules, and replaces the ingredient with the highest emissions with an alternative that fits the recipe (https://github.com/amroweh/ingredient-swap).

Skills

- Microsoft Office Suite
- Canva
- Backend: Node.js: Express JS, Mongoose, PHP: Laravel, Python
- DB: MS SQL Server, MySQL, and NoSQL (MongoDB)
- Frontend: HTML, CSS, JavaScript, Bootstrap
- Data Visualization: ArcMap Suite, Tableau, QGIS, D3JS
- Other: Git & Github

Languages

Arabic (Native)**, English** (Fluent)**, French** (Fair)

Interests

Piano
- Learned the piano from young age
- I love listening to classical music

Environmental Issues
- Associate member of the Integrated Solid Waste Association (ISWA) – Lebanon

Reading:
- I like to read books especially on politics and philosophy

New Technologies and Investments:
- Interested in all the latest technologies especially metaverse, blockchain, and Mixed Reality.
- Invested in crypto-currencies

Referees

1- *Morgan Harvey, Dr. Data Science, Information School, The University of Sheffield. Email: m.harvey@sheffield.ac.uk*

2- *Najat Saliba, Member of Lebanese Parliament and Prof. Analytical Chemistry, Faculty of Arts and Sciences, American University of Beirut. Email: ns30@aub.edu.lb*

3- *Suvodeep Mazumdar, Dr. Data Analytics. Information School, University of Sheffield. Email: s.mazumdar@sheffield.ac.uk*