Josephine Widjaja

✉ j4widjaj@uwaterloo.ca ⚲ josephine-widjaja.com in /in/josephine-w/ ⚙ josephine-w

SKILLS

PROGRAMMING AND DATABASE:
Python, SQL (MySQL), R, C/C++, JavaScript, HTML/CSS

LIBRARIES/FRAMEWORKS:
Pandas, NLP, PySpark API, Numpy, Scikit-Learn, BeautifulSoup, Seaborn, Matplotlib

OTHER SOFTWARE/TOOLS:
Power BI, Databricks, RedShift, Excel (Pivot Tables, V-Lookups, VBA), AWS, Confluence, Jira, Jupyter Notebook, Sharepoint, Airflow

EXPERIENCE

Software Engineer Intern   05/2023 – present
Tatari
- Leading the migration and development of an **ETL** pipeline from **Redshift** to **Databricks** using **Pyspark**, ensuring seamless data processing for spend data calculations
- Participated in the successful implementation of the **Great Expectations** tool for comprehensive data quality checks
- Compiled distinct solutions for **Opsgenie alerts,** resulting in a 10% increase in efficiency for weekly on-call efforts

Data Science Intern   09/2022 – 12/2022
KPMG
- Developed an **NLP Model** using **spacy** text classification**, HuggingFace question-answering, camelot** table extraction, and **Python regex** to process PDF reports for business stakeholders.
- Drove integration efforts to enhance the compliance report tracking system by incorporating new features into the **Power BI Dashboard** for internal business stakeholders.
- Provided continuous technical support for **Power BI** and **Excel** needs of stakeholders.

Business Technology Analyst Intern   01/2022 – 04/2022
Bank of Montreal
- Spearheaded the creation of a dynamic **Power BI dashboard,** facilitating data visualization and automating fiscal reports, resulting in enhanced decision-making and time-saving for stakeholders.
- Streamlined information accessibility and collaboration by deploying a **Sharepoint** website for over 100 employees.
- Engineered a highly efficient **Excel** data reconciliation tool using **VBA** and **Pivot Tables**, reducing manual effort and minimizing errors in financial data analysis.

Machine Learning Engineer Intern   05/2021 – 08/2021
Assent Compliance
- Built, trained, and tested pre-trained **Natural Language Processing** models through **AWS Sagemaker** to determine ideal models to process reports for internal stakeholders
- Contributed to the development of models with tasks like Named-Entity Recognition (NER) and Image Classification
- Utilized **AWS CLI** to build and process objects on **AWS S3**

EDUCATION

Candidate for Bachelor's of Computer Science   09/2020 – 05/2025
University of Waterloo

PROJECTS

personal website 🔗   12/2022
ReactJS
- Built online web portfolio using **ReactJS** to showcase experience and projects
- Deployed website using **GitHub**
- Implemented responsiveness to the website using **CSS**

straights (card game)   12/2021
C++
- Developed a **CLI** four-player card game in **C++** with **MVC**
- Utilized **OOP** principles like **polymorphism** and **inheritance**
- Deployed memory management via **STL containers** as well as **smart pointers**