Walid AlDari

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EDUCATION

York University   Toronto, Canada
Bachelor of Engineering, Software Engineering with a specialization in Big Data; 3.6/4.0   *Sep. 2020 – Dec. 2024*
- Dean's Honor List: 2020-2021, and 2023-2024.
- Relevant Coursework: Machine Learning, Operating Systems, Database Systems, Software Requirements, and Data Mining.

EXPERIENCE

Teaching Assistant   Jan. 2023 – Aug. 2024
Lassonde School Of Engineering - York University   *Toronto, Canada*
- Taught and led classes of up to **80** students maintaining a supportive learning environment.
- Tailored over 30 presentations for various classes to ensure proper material delivery and maintaining 75% class attendance average.
- Graded over **300** student papers meticulously following rubrics set by the Professors to maintain a 60% class average.

Technical Analyst Intern   Jun. 2023 – Aug. 2023
UMMA   *Pennsylvania, US*
- Collaborated with a **UI/UX** designer to design a landing page in **Figma** and build it with **ReactJS** to deliver the startup's vision ensuring alignment with the business requirements, professional tone, and iterative feedback from the cofounders.
- Assisted in the **technical system design** of the neo-banking architecture, ensuring scalability, high availability, and cost-efficiency while adhering to the constraints and best practices in **distributed systems** and **cloud computing**.
- Aided the cofounder in maintaining an existing **Excel** file of investors, startup incubators, and VCs, aiding efforts in fundraising.

Software Engineering Intern   Sep. 2022 – Dec. 2022
Holman Automotive   *Toronto, Canada*
- Contributed to the development of a data analysis tool utilizing a **ReactJS** front-end coupled with an **ASP.NET** API following **REST** principles to visualize and summarize customer behavioral patterns of web app usage and increase their readability by **70%**.
- Built a **CRUD**-based **ReactJS** web application connected to an **ExpressJS** server that stores on a **MongoDB** database that maintains a directory of the company's endpoints to reduce developer's API links' search duration by **50%**.
- **Presented** the data tool to company VPs and technical managers articulating it's business implications and technical structure.
- Improved code quality through active addressing of team comments along with pushing out biweekly Pull Requests using **Team Foundation Server** with **Git**.

IT Director   Sep. 2021 – Apr. 2022
Lassonde Engineering Society   *Toronto, Canada*
- Built a course prerequisite tool using **Flask**, **Selenium**, and **Bootstrap** to cut prerequisite search time by **70%**.
- Worked with another Director to implement official site features and handle supervisor requests through SquareSpace.
- Proposed various new site features increasing web traffic by 10%.

PROJECTS

ReviewLens | *Python, Flask, OpenAPI, ReactJS*   Mar 2025 - Present
- Developed a Product management tool focused on automating application review analysis by 60%.
- Integrated and tuned a **ChatGPT**-powered chatbot trained on reviews data, improving PM efficiency and review analysis by 70%.
- Provided a dashboard powered by **Natural Language processing tools** to provide insights into review sentiment and it's relation to existing features, resulting in a 10% increase in accuracy over existing Google Play data.

Heart Risk Detection Model | *Python, SkLearn*   July 2024 - August 2024
- Developed and validated a **Logistic Regression model** with a processed dataset of 200 inputs to predict heart disease likelihood, achieving an accuracy improvement of 15% over baseline models.
- Benchmarked the model against various algorithms including **regression**, **perceptron**, and **KNN**, finalizing a model with **82% accuracy and 93% precision**.

Satellite Operations Services Optimizer | *Python, ReactJS, Flask, FastAPI, and Docker*   Sept. 2023 – Apr. 2024
- Collaborated on an open-source project sponsored by the **Canadian Space Agency** to build a modular satellite-image-order scheduling system aimed at relieving heavy scheduling workloads of satellite operators through automation.
- Built a dashboard summarizing a diverse array of satellite scheduling data improving readability by **50%**, and developed an FTP server allowing users to submit file-based image orders for scheduling increasing upload process speed by **80%**.

YuLookUp | *Java, JavaFX, Gradle, GSON, Selenium*   Jan - April 2023
- Collaborated in team of 3 to build an academic tool helping students navigate through course information through a search engine.
- Worked on integrating a google-looking search engine to browse through course data increasing student efficiency by **40%**

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS, Bash
Frameworks: React, Node.js, Flask, JUnit, Bootstrap, FastAPI, Springboot
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, IntelliJ, Eclipse, Github
Libraries: Pandas, NumPy, Matplotlib, Selenium, Sklearn