Walid AlDari

416-823-2136 | walidaldari1@gmail.com | linkedin.com/in/walidald | github.com/walido2001

Education

York University — Toronto, Canada
Bachelor of Engineering, Software Engineering with a focus on 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, DBMS, 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.

Software Engineering 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**.

Extracurriculars

VC Finance & Consulting Lead — Jul. 2024 – Nov. 2024
York Engineering Competition — *Toronto, Canada*

- Met with executives to handle financial needs and ensure transactions are logged through Excel guaranteeing financial safety.
- Lead the consulting competition by preparing the consulting case and judging guidelines and evaluated over 10 teams' strategies.
- Proposed a marketing strategy resulting in 15% increase in participation of the consulting competition compared to previous years.
- Oversaw a team of sponsorship juniors leading to a 70% increase in funding from various big time sponsors such as Scotiabank and Redbull.

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%.

Mentor — Nov. 2021
UNHacks Hackathon 2021 — *Toronto, Canada*

- Aided over 10 teams in preparing slide decks for pitching, exploring various stakeholders, narrowing scope of research, and precisely formulating problem statements to tackle UN-oriented cases.

Awards

York Engineering Consulting Competition 2023
1st Place

- Presented a cloud-migration strategy allowing the client to uninterruptedly and safely move data from in-house servers to the cloud.

UNHacks Hackathon 2021
2nd Place

- Pitched a poster-media application to the university that minimizes the growing on-campus poster paper waste by 90%.

Projects

ReviewLens | *Python, Flask, OpenAPI, ReactJS* Mar 2025

- Developed a Product management tool focused on automated application review analysis.
- 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 ML 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 on building an academic tool helping student navigate through course information
- Worked on integrating a google-looking search engine to browse through course data increasing student efficiency by **40%**

Asteroid Game | *Verilog HDL, DE-10 lite FPGA, Digital Logic Design Principles* November 2021

- Collaborated on developing a modified Asteroid game using **Verilog** and a DE-10 Lite board, using digital logic and hardware principles to build a module allowing the board to utilize 7 Segment displays
- Programmed the modules dealing with the board-display connection, in-game mechanics such as asteroid destruction and score/health adjustments

Course Prerequisite Navigator | *Python, Flask, Bootstrap, Selenium Web Scraping* August 2021

- Developed a web app using **Flask** serving as a backend backed with a **Bootstrap** frontend to search and visualize student course prerequisites 90% more effectively than traditional methods.
- Web scraped and cleaned over 250 courses' data using **Selenium** scripts and stored them in JSON files

Skills

Languages: English (Fluent), Arabic (Fluent), French (Beginner)
Tools: Powerpoint, Excel and Word
Research Tools: LaTex, Overleaf, Powerpoint, Word, Excel, Google Scholar

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