JACK YOUSSEF

Computer Science Student
Data Analyst

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SUMMARY

Passionate and driven Computer Science student with a completed Finance degree and a strong interest in various technical domains, including AI, which was recently implemented in a winning hackathon project. Currently in a managerial data analysis position, creating efficiency with thorough data reporting and visualization.

SKILLS

Languages: C, C++, C#, Java, JavaScript/HTML, Python, SQL, Swift, Xcode

Technologies: AWS, Express, Flask, Flutter, Git, Jira, MongoDB, MySQL, Node, Pandas, PyTorch, React, Tableau, TensorFlow, Unity

PROJECTS

10/2023 — **Food/Nutrient Tracker & AI Recipe Creator (UTA Hackathon Winner)**

- Designed a **JavaScript/React/Flask/TypeScript** UI that scans barcodes on consumable products.
- Created a **Python** program that analyzed macronutrients, provided allergen warnings, and calculated more accurate expiration dates, designed to minimize food waste.
- Utilized **AI** to generate recipes, prioritizing expiring items and user-selected goals, to bring awareness to food health.
- Led and collaborated with a new team to compete and win at a 24-hour hackathon.

8/2023 — **Full Stack CRUD Web App**

- Implemented complete **CRUD** functionality with an intuitive UI and robust backend.
- Utilized **JavaScript/HTML/CSS** and **SQL** with **Node, Express, and SQL Server**.
- Documented process with original ER Diagram, Schema, and sample data.
- Tailored schema, CRUD, and UI for fictional, realistic dessert shop.

EDUCATION

8/2022 - 8/2024 — **Bachelor of Science, Computer Science**
Oregon State University
GPA: 4.0

8/2018 - 5/2021 — **Bachelor of Business Administration, Finance**
University of Texas at Arlington
Presidential Scholar & Honors

EXPERIENCE

5/2021 - Present — **Manager - Third Party Risk Program Oversight, Operational Risk**
Charles Schwab

- Design and optimize **SQL** queries for data analytics, providing program oversight and supporting regulatory compliance.
- Analyze and visualize aggregate data with enterprise tools, such as **Python**, **Tableau**, and **PowerBI**, identifying efficiencies that produced a **30% YoY** productivity improvement for the department.