SAAD SHAFIQ

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Education

University of Guelph   **Sept 2022 - Present**
Bachelor of Computing, Honours in Computer Science, Minor in Business   *4.0/4.0 GPA*
- **Pakistani Student's Association - Events Director**: Organizing events for 50+ students
- **Other Involvements**: Society of Computing, Google Developer Student Club

Technical Skills

Languages: Python, Java, C, C++, C#, Bash, JavaScript, HTML/CSS, VBA, SQL, R, Assembly
Technologies: Unity, jQuery, React, Firebase, SQLite, Solidworks, AutoCAD, Revit, Power BI
Tools: GitHub, GitLab, Linux/Unix, Docker, JUnit, Valgrind, Nano

Work Experience

Masco Canada   **May 2024 – Present**
Product Manager Intern   *Mississauga, ON*
- Designed and implemented KPI dashboards using **Power BI**, **SQL**, and **data pipelines**, enabling rapid data analysis and integrated **AI-driven** insights for the PM team.
- Conducted **competitive research** to optimize product positioning and ensure successful market entry.
- Developed **Python scripts** using **Pandas** to automate SKU extraction and identify missing entries, expediting catalog launches and reducing **11 hours** of manual work to a **30-second** process.
- Cut down a **two-week** approval process to **real-time** decisions by designing and implementing a Smartsheet solution that automated KPI analysis and threshold comparisons.

Onluna.io   **May 2023 – Aug 2023**
Software Developer Intern   *Waterloo, ON*
- Developed and deployed **Firebase-integrated** sign-in and sign-up pages to streamline authentication, improve efficiency, and enhance overall user experience.
- Designed a user-friendly interface with **React** and **Figma**, significantly improving **UX/UI design**.
- Optimized **HTTP requests** and leveraged **Django's MVC** structure to reduce web page load times by up to **70%.**

Staples   **Aug 2021 – Jun 2023**
Technology Consultant   *Waterloo, ON*
- Initiated and led discussions with **50+** clients to better understand their technology needs, successfully providing tailored solutions that enhanced customer satisfaction.
- Configured **MacOS** and **MS Windows** systems with **Microsoft Office suite** (**PowerPoint**, **Outlook**, **Excel**).
- Performed **data analysis** on inventory trends to optimize stock levels and enhance operational efficiency.

Projects

Side Gigs   **Source Code**
Bidding application that connects homeowners with contractors
- Developed a cross-platform mobile application using **React Native** facilitating a seamless user experience.
- Integrated **Firebase** for backend support, providing secure user authentication and real-time database updates.
- Utilized **Git** for version control, creating and managing branches to facilitate **parallel development**.
- Collaborated with a team, leveraging **agile methodologies** to deliver features on time and within scope.

Mad Bird   **Published Game**
Web-based Angry Birds-inspired game with multi-level gameplay
- Utilized **C# scripting** to develop and optimize game logic, ensuring efficient and responsive functionality.
- Implemented diverse animations seamlessly within the **Unity framework** for enhanced user engagement.
- Designed interactive and **user-friendly interfaces**, enhancing the overall gaming experience.

Employee Management System   **Source Code**
A simple application allowing users to perform various tasks related to managing employee data
- Engineered a console application in **C**, employing modular code structures for distinct functionalities.
- Ensured a **maintainable codebase**, emphasizing modular design principles for future scalability.
- Optimized code efficiency by implementing diverse **data structures**, ensuring streamlined performance in terms of both **time** and **space complexity**.