Ali Asadpoor

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EDUCATION

Toronto Metropolitan University (Formerly Ryerson) **Toronto, Ontario**
BS in Computer Science, Minor in Economics, ***3.89 GPA*** *January 2023 - April 2026 (Expected)*

- **Coursework:** Operating System I (C, Unix), Data Structures (Java, Lisp), Introduction to C and Unix, Discrete Structures (Java), Computer Organization I & II (Assembly, C), Programming Paradigms (SmallTalk, Elixir, Haskell, Rust), Probability and Statistics I, Introductory Macroeconomics

WORK EXPERIENCE

Costco Wholesale Canada **Markham, ON**
Part-time Merchandising Assistant *April 2022 - Present*

- Worked Collaboratively in a fast-paced retail environment, strengthening teamwork and communication skills essential for project-based work
- Utilized terminal-based inventory management software to track stock levels and generate reports and detect discrepancies, demonstrating technical proficiency and adaptability
- Assisted customers with inquiries and provided excellent service, honing the ability to explain complex information clearly and concisely

Best Buy Canada **Richmond Hill, ON**
Geek Squad Repair Agent *September 2021 – March 2022*

- Diagnosed and resolved a broad range of software issues for various operating systems (Windows, macOS, Linux)
- Identified a recurring issue with software installations and developed a streamlined troubleshooting guide, reducing average resolution time by 25%
- Configured, optimized, and repaired multiple operating system to enhance system performance and security, showcasing a string understanding of OS architecture and troubleshooting techniques
- Managed multiple service request simultaneously, demonstrating effective time management and prioritization skills
- Maintained detailed records of technical issues and resolutions, improving knowledge sharing and team efficiency

PROJECTS & EXTRACURRICULAR

Ground Station Control/Operations Software (C, Python, Linux) **TMU Rocket Club | 2023/2024**

- Designed and implemented real-time telemetry and radio communication software using C, enhancing the reliability of data transmission during rocket launches
- Engineered software for acquiring and processing radio signals, enhancing communication reliability and flight data accuracy
- Implemented custom drivers and system-level enhancements to improve data handling efficiency and tracking precision
- Developed the necessary interface components for display of real-time telemetry and trajectory

Financial Valuation/Metrics Tool (Python, Pandas, NumPy, PyMuPDF) **GitHub | April 2024 - Present**

- Developed a Python-based financial analysis tool to parse company earnings data and compute intrinsic and expected valuations using financial models like DCF and comparable company analysis
- Engineered the program to output key financial metrics such as P/E ratios, EBITDA, and debt-to-equity ratios in a user-friendly terminal interface
- Implemented robust data ingestion, data validation, and error handling, enhancing the tool's reliability and accuracy

Membership Management Interface (Python, Tkinter, SQLite) **GitHub | March 2024**

- Developed a membership management application using Python, providing both terminal and graphical user interfaces for managing member data
- Implemented SQLite for efficient data storage and retrieval, ensuring data integrity and quick access to member information
- Integrated user authentication and role-based authorization, ensuring secure access to member information
- Utilized Tkinter to create a user-friendly and visually appealing GUI, enhancing user experience and ease of use
- Added robust data validation and error handling mechanism to ensure data integrity and improve application reliability

SKILLS

Programming Languages: Python (Proficient), C (Intermediate), SQL (Intermediate), Java (Beginner), Rust (Beginner)
Frameworks and Libraries: Flask, Pygame, Tkinter, Pandas, NumPy, SQLite, SQLAlchemy
Tools and Technologies: Linux (Arch, Ubuntu), Windows, Microsoft Suite, Git, Docker, MATLAB, LaTeX