JUSTIN NORTON

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LinkedIn: https://www.linkedin.com/in/justin-norton23/ GitHub: https://github.com/JustinN9

Portfolio: https://justinn9.github.io/

Education

MacEwan University - Bachelor of Science   Graduation Date: April 2024

Major: Computer Science
Minor: Classics

Relevant Experience

Software Developer Intern - **MacEwan University**   January 2024 - April 2024

- Developed a C# application in Visual Studio to streamline essay marking workflows for the Humanities Department.
- Worked closely with non-technical members of the humanities department to gather requirements and communicate progress in clear, accessible language.
- Designed and implemented database logic using SQL Server with stored procedures, materialized views, and transactions.
- Delivered a user-focused application that improved marking efficiency and consistency.

Capstone Project - MacEwan University   January 2023 - April 2023

- Developed an Android-based fitness app that used computer vision to analyze and score home workouts.
- Built the mobile front end in Java using Android Studio, allowing users to record workouts and send data to a cloud server.
- Developed a Python backend with TensorFlow (Keras) on a Linux server to perform pose analysis and return real-time feedback.
- Managed database interactions with MySQL and ensured smooth data flow between front end and back end systems.

Relevant Skills

Programming Languages and Development Tools: C, C#, Java, Python, HTML, CSS, SQL, MySQL, SQLite, Microsoft SQL Server, Android Studio, Git, GitHub, TensorFlow (Keras), APIs, Unit Testing, Object-Oriented Programming (OOP)
Software Development Methodologies and Practices: Scrum, Agile, UX/UI Design Principles
Data Analysis and Algorithms: Data Structures, Algorithms, SQL, Data Mining, Statistical Analysis
Soft Skills: Research Skills, Public Speaking, Presentation, Communication, Team Collaboration, Time Management, Multi-tasking

Projects

Student Enrolment Application   2024

Developed a desktop application in **C# using Visual Studio** to manage student course registrations. Designed and implemented a **Microsoft SQL Server** backend with **stored procedures**, **materialized views**, and **SQL transactions** to ensure reliable and efficient database operations.

Property Finder Application   2024

Built a property search tool in **Java with IntelliJ**, utilizing **object-oriented programming** principles and clean architectural design. Integrated **REST APIs** from the City of Edmonton and Calgary to retrieve real-time property listings and display relevant information in an organized interface.

Shell Program   2023

Created a fully functional shell in **C** to explore how **UNIX-based file systems** and processes work. This project involved handling command parsing, process forking, redirection, and piping, providing a hands-on understanding of low-level system operations.

Restaurant Scheduling Application   2022

Developed an **Android** application using **Java** and **Android Studio** to help restaurants manage staff scheduling. Implemented a local **SQLite** database to persist shift data and built a simple, user-friendly interface adhering to basic **UX/UI design principles**.

Movie Rental System   2021

Designed a movie rental management system in **C#** with a **SQL** backend, enabling users to browse, rent, and return movies. Built with **Visual Studio**, this application included basic inventory control and user management using **SQL queries and stored procedures**.

Portfolio Website   Ongoing

Created a personal portfolio using **HTML, CSS, and GitHub Pages** to showcase technical projects, skills, and resume. Highlighted key projects like a **machine learning–based workout app** and Android development work. Emphasized clean design, accessibility, and responsive layout principles.

Work Experience

Starbucks - Shift Supervisor   January 2025 - Present

Led daily operations, delegated tasks, and coached team members to improve performance and efficiency. Managed inventory and enforced safety protocols, reducing waste and maintaining a safe work environment. Resolved customer concerns and supported a culture of high-quality service and team collaboration.

Starbucks - Barista   July 2023 - December 2024

Delivered consistent customer service and trained new hires, adjusting support based on individual needs. Maintained operational standards and supported team coordination during peak hours.

References

Dr. Jessica Romney - Assistant Professor, Discipline Coordinator & Advisor, Classics at MacEwan University
- 780-497-4209

Carly Waldner - Manager at Starbucks
- 403-360-7330

Taylor Ferguson - Shift Supervisor at Starbucks
- 587-597-9737