Andre Menezes

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EDUCATION

McMaster University   September 2021 - April 2025
B.A.Sc., Computer Science (Co-op)
- Deans' Honour List   *GPA 3.9/4.0*

WORK EXPERIENCE

HamOnt Sports   Hamilton, Ontario, Canada
Software Engineer Intern   June 2023 – September 2023

- Extracted insights from data and built an analytics dashboard using **React + NextJS** with **Typescript** to provide quick and concise summaries of real-time data for stakeholders;
- Imported ESG data from **7 unique datasets into PostgreSQL** databases for analysis and feature extraction;
- Securely exposed data with **APIs** made using **Java Spring Boot** to customer-facing web applications;
- Utilized APIs to create personalized schedules, providing unique experience for over **6000** users.
- Managed both **front-end and back-end** website operations, making speed improve by **76%** and fixing bugs.
- Adjusted **network configurations**, improving the connection of devices in the network.
- Developed **JavaScript** applications for HamOnt's website.
- Administered modifications to the telephone system, ensuring **all extensions and voice commands** were working properly.

MAJOR PROJECTS

Soccer World Website   June 2023 – September 2023
Developed a sports-focused website for Soccer World, featuring clinics and leagues for soccer, football, and baseball.

- Leveraged web development skills to create a user-friendly interface with easy navigation for program **details, schedules, league information, and purchases**;
- Implemented a **dashboard** for content management and design to efficiently update and manage site content, catering to diverse age groups and skill levels;
- Ensured a responsive design for optimal viewing across various devices, enhancing user engagement and accessibility for sports enthusiasts.

API Scheduler   June 2023 – July 2023
Software used to display scheduled games.

- Developed a software solution using Node.js to retrieve and display game schedules via a REST API, used in **two different locations**.
- Designed a user-friendly interface in Node.js for efficient viewing and interpretation of game schedules **(soccer, football, baseball, volleyball, and hockey)**.
- Managed API integration and data synchronization in a Node.js environment for consistent schedule updates.
- Used **SQL** to generate custom queries helping in the management of over **14 programs.**

Face Encrypt   February 2022 – May 2022
Security software using facial recognition for file encryption

- Face Encrypt, an innovative security software that harnesses facial recognition technology for encrypting and decrypting files and directories;
- Developed in **Python**, integrating advanced external encryption libraries to **meet top-tier data security standards**.
- Versatile design and interface suitable for both **individual and corporate applications.**

SKILLS

PROGRAMMING LANGUAGES   **TECHNOLOGIES**

Python, Javascript, Typescript, HTML, CSS, Java, Rust, SQL, C, C++, Elm, Haskell, Assembly.

HTML, CSS, JQuery, Ember.js, node.js, Express, socket.io, redis.io, SQL, MongoDB, Git, Amazon Web Services (AWS), VirtualBox, Cygwin, Unix/Bash, Android SDK, JUnit, Unity3D, Docker.

Libraries/Frameworks: Flask, React, NextJS, Numpy, PyTorch, Tailwind CSS.

Tools: Google Cloud, Git, GitHub, Docker, Linux, Jupyter, Figma.