Andre Menezes

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EDUCATION

McMaster University   September 2021 - April 2025

B.A.Sc., Honours 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

- 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.

McMaster Start Coding   Hamilton, Ontario, Canada

Full Stack Developer   May 2022 – July 2023

- Developing an Integrated Development Environment (**IDE**) with **React.js**, **PostgreSQL**, **Haskell**, and **Docker** for teaching functional programming in Elm.
- Implementing user-centric features, including a highly requested dark mode, to enhance the experience of **thousands of students**, resulting in a notable increase in user satisfaction and engagement.
- Participating in weekly stand-up meetings and participating in **peer code reviews**.

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 data;
- 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.

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 **three different locations**.
- 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.

Easy Transfer   May 2021 – August 2021

Cryptocurrency Transfer Software

- Easy Transfer provides the capability for users to effortlessly move their entire cryptocurrency portfolio, encompassing up to 295 different cryptocurrencies, to another account on Easy Transfer within Discord.
- The service includes automatic input for Easy Transfer phrase drops and a feature to identify and calculate any missing cryptocurrencies in portfolios, along with the automation of commands for the Easy Transfer bot.

SKILLS

PROGRAMMING LANGUAGES

PL: Python, Javascript, Typescrip, Java, Rust, SQL, C, C++, Elm, Haskell, Assembly.

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

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

TECHNOLOGIES

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.