

Hailey Dsouza

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EDUCATION

Ontario Tech University

Bachelor of Science Honours in Computer Science, Specialization in Data Science

Sept 2020 – April 2026

Oshawa, ON

EXPERIENCE

Application/Software Developer

Sept 2024 – Dec 2024

CIBC

Toronto, ON

- Implemented automated secret management in **Python** by integrating **HashiCorp Vault** into GitHub workflows, replacing plaintext credentials with secure tokens
- Developed and automated a Jira Audit Report system using **Python**, **Jira REST APIs**, and **GitHub Actions** in a **CI/CD** workflow to generate Excel reports, enhancing compliance tracking at CIBC and reducing manual task hours by **95%**
- Documented **DevOps** best practices and CI/CD pipelines in **Confluence**, streamlining knowledge sharing and onboarding for developers

Systems Design Engineer

Jan 2024 – Aug 2024

AMD

Markham, ON

- Conducted CPU performance testing using **PPA workflows** on single-core and multi-core configurations across **Linux** and **Windows** environments, evaluating power, performance, and thermal characteristics to assess CPU efficiency under various **workloads**
- Analyzed CPU frequency scaling across various voltage limiters by generating Excel-based reports and visualizations, identifying over- and under-estimations based on **DAQ** logs
- Developed a **C++** automation script to process workflow output files, extracting telemetry and voltage limiter data to determine estimation accuracy, **reducing** manual data retrieval time

Digital Analytics Analyst

Aug 2022 – Aug 2023

OLG

North York, ON

- Automated a critical weekly data processing script using **CDSW**, reducing runtime delays from **4** hours to near-instant availability, eliminating **100%** of failures, and ensuring timely analysis
- Automated data extraction workflows using **Pandas** and **SQL**, reducing manual effort and accelerating campaign targeting for marketing teams
- Optimized ad-hoc data retrieval by designing reusable **SQL** queries and **Python** scripts, reducing turnaround time for audience segmentation requests by **50%**
- Built an automated **Power BI** dashboard for the Payments Lab, eliminating manual data extraction by connecting to an **SQL database**. Enabled seamless access to up-to-date player insights via a shareable link with weekly auto-refresh

Software Programming Instructor

Dec 2022 – June 2023

Code Ninjas

Markham, ON

- Guided **48** students weekly through game development using **JavaScript**, fostering their understanding of coding concepts and enabling them to implement basic **data structures** and **algorithms** effectively.

PROJECTS & AWARDS

Portfolio | <https://haileysouza.github.io/HaileyDsouza/>

June 2023

- Developed a fully responsive personal **portfolio** website using **HTML**, **CSS**, and **JavaScript**, incorporating interactive elements to enhance user engagement and ensuring seamless usability across all devices

EXECUTIVE SPOTLIGHT AWARD | AMD

May 2024

- Received recognition from AMD for contributing to a critical unreleased CPU project completed under an aggressive timeline, where I conducted in-depth data analysis to support performance evaluation and deliver key insights, resulting in a significant **company-wide impact** and ensuring successful project delivery

TECHNICAL SKILLS

Languages: Python, SQL, HTML/CSS, JavaScript, C/C++

Tools/Frameworks: React, Node.js, JIRA, Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, linux, powershell