Hailey Dsouza

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EDUCATION

BS in Computer Science, Honours at Ontario Tech University — Expected April 2026
President's List, Fall 2023 & Winter 2025, Scholarship: $1000 — *Oshawa, ON*

EXPERIENCE

Solution Developer Intern - Incoming — May 2025 – Aug 2025
CANADA LIFE — *Toronto, ON*
- Will contribute to **full-stack** development of enterprise Java applications using Angular and SQL, leveraging skills in performance monitoring and optimization. Will focus on enhancing application efficiency and reliability.

Application/Software Developer Intern — Sept 2024 – Dec 2024
CIBC — *Toronto, ON*
- Developed a **Python**-based compliance reporting tool leveraging **Jira REST APIs** and **GitHub Actions** within a CI/CD pipeline. Automated Excel report generation and reduced manual tracking by **95%.**
- Implemented automated secret management in Python by integrating HashiCorp Vault into GitHub workflows. Replaced plaintext credentials with secure tokens, eliminating credential exposure risk by **100%.**
- Documented DevOps best practices and CI/CD pipelines in Confluence. Created resources that reduced onboarding time by **40%** for **20+** developers.

Systems Design Engineer Intern — Jan 2024 – Aug 2024
AMD — *Markham, ON*
- Developed Python scripts to automate parsing of telemetry data from CPU testing **Linux** workflows. Compared voltage limiter estimations against average column values to identify over/under estimations, improving data accuracy.
- Accelerated data analysis for senior engineers by building a **C++** script that streamlined file parsing and extracted key metrics, cutting manual data re-work time by **30%** and supporting faster performance tuning cycles.
- Built automated reporting tools in Python to generate Excel-based summaries and visualizations of CPU frequency scaling trends, reducing manual report creation time by and supporting faster performance tuning cycles.

Data Analyst Intern — Aug 2022 – Aug 2023
OLG — *North York, ON*
- Developed **SQL** and **Pandas**-based scripts to automate customer segmentation, enabling faster campaign deployment and reducing manual workload by **50%.**
- Developed backend scripts and visual dashboards to monitor database connections, with automated alerts that improved system observability and reduced incident detection time.
- Automated a critical weekly data pipeline in Python, reducing processing time from 4 hours to seconds and eliminating failures, ensuring consistent and timely data availability.

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

Executive Spotlight Award | *AMD* — May 2024
- Recognized for building performance analysis tools in **Python/C++** on a critical CPU project, enabling on-time launch and impacting millions of AMD users

Recipe App | *https://haileydsouza.github.io/RecipeApp/* — June 2023
- Developed a responsive web application using **HTML, CSS,** and **JavaScript** to display global recipes. Implemented **RESTful API** calls to fetch and display recipe data, focusing on front-end UI and data visualization.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, C++, C, SQL
Web Technologies: HTML, CSS, React, Node.js, Angular
DevOps Tools: Git, Docker, Linux, PowerShell, Visual Studio, IntelliJ, PyCharm