

# Nora Morsy

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## EDUCATION BACKGROUND

### University Of Guelph

April, 2027

Bachelor of Computing | Software Engineering, Co-op | Minors: Business & Project Management | GPA: 3.9 Ontario, Canada

## TECHNICAL SKILLS

**Data/BI Tools:** Microsoft Excel, Power BI, Tableau, Power Query, Power Automate, Apache Airflow, Grafana

**Programming Languages/Frameworks:** Python, SQL, Java, C, JavaScript, TypeScript, Visual Basic, HTML/CSS, React.js, Pandas

**Development/Collaboration Tools:** Git, Docker, SharePoint, Jira, Microsoft PowerPoint, Microsoft Word, AWS

## WORK EXPERIENCE

### CIBC

May 2025 – August 2025

Business Effectiveness Analyst

Toronto, ON

- Automated month-end headcount reporting in Excel using Power Query, reducing processing time and increasing team efficiency by over 90%.
- Developed and automated a consolidated headcount database by merging HR and procurement data with Power Query and Excel, streamlining monthly reporting and improving data accessibility for over 8 departments.
- Led data validation, gap analysis, and cross-functional onboarding during the migration to Eclipse, a new enterprise reporting tool for employee data, ensuring 100% accuracy in records and smooth adoption across teams.
- Pulled and analyzed employee data to create comprehensive reports, supporting data analysis, business decision-making, and monthly operations.

### ADKnown

May 2024 – December 2024

Data Engineer Intern

Guelph, ON

- Monitored and maintained internal data systems, ensuring 98% data integrity and quality across datasets of over 100,000 records using Python, SQL, and AWS-based monitoring tools.
- Created and optimized 10+ Airflow DAGs to automate data workflows, reducing manual data processing time by 50% and improving the accuracy and timeliness of data ingestion.
- Enhanced Grafana dashboards by integrating 8+ new filters and reports, enabling real-time visualization of key metrics for strategic decision-making by 3+ business units.
- Collaborated with over 3 cross-functional teams to analyze technology changes and provide actionable recommendations, improving data reporting accuracy and planning efficiency.

### ECNG Energy

June 2022 – August 2023

Software Developer Intern

Burlington, Ontario

- Developed and maintained a data logging system in C, SQL, and Visual Basic, improving process efficiency and reducing manual data entry errors by 30%.
- Automated web scraping tasks to collect real-time weather data using Power Automate and JavaScript, loading it into Excel tables, increasing data availability for analysis and saving 2+ hours per week in manual collection.
- Contributed to process documentation and continuous improvement efforts, ensuring systems were well-documented and adaptable to future changes.

## LEADERSHIP EXPERIENCE

### University Of Guelph

August 2023 – April 2025

Computer Science Academic Cluster Leader

Guelph, ON

- Demonstrated leadership, mentorship, and strong interpersonal skills by providing academic and personal support to students, fostering an inclusive community within a residence hall of 500+ students.
- Designed learning programs to enhance student engagement in core computer science subjects and collaborated with university departments to connect students with resources for their academic, personal, and residential well-being.