

## EDUCATION

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### York University

Sep 2021 – Dec 2026

*Bachelor of Arts - Major in Digital Media: Development (Computer Science Focus)*

- **Academics:** 3.3 GPA
- **Courses:** Object Oriented Programming, Software Tools, Databases, Data Structures & Algorithms, Applied Statistics

## PROJECTS

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### Data Analyzer Web App

- Engineered a GenAI analysis workflow using **React**, **Flask**, and **OpenAI** to transform raw Plotly visualizations into plain-English insights, accelerating data interpretation by 80%.
- Eliminated 90% of redundant API calls and prevented UI freezes on large datasets (100k+ rows) by orchestrating an architecture that combines frontend guard clauses, in-memory processing, and asynchronous state management.

### House Price Predictor

- Built a modular end-to-end **ML** pipeline in **Python** that enabled plug-and-play experimentation between Linear Regression and Random Forest models, driving a reduction in MAE (90 → 75) and  $R^2$  improvement (0.30 → 0.63).
- Diagnosed overfitting by identifying a 0.27 train-test  $R^2$  gap and used the signal to justify model selection tradeoffs while defining a K-Fold Cross-Validation roadmap.

### Live Flower

- Developed a **C++** embedded system using **Arduino**, building a robotic sunflower that coordinated 8 behaviors across 3 sensors, using complex logic to prioritize safety and ensure 100% reliability during a live demo.
- Reduced system setup time from 3 hours to 15 mins by designing a custom hardware interface box that eliminated loose-wire connection failures.
- Leveraged **GitHub** in a team of 3 to deliver a prototype in 48 hours, earning judge commendation for uniqueness.

## WORK EXPERIENCE

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### Sales Representative – Inkeros

May 2024 – Sept 2024

- Generated \$6,400 in monthly recurring revenue by effectively communicating complex value propositions for multi-product tech bundles, exceeding weekly targets by 20%.
- Introduced a systematic A/B testing framework for sales scripts by isolating variables like pacing and tone, resulting in a 50% increase in conversion rates (10% to 15%).

### Sales Associate – Stars Men's Shops

June 2022 – Dec 2022

- Generated \$1,000+ in daily revenue by quickly learning product knowledge, exceeding sales targets.
- Diagnosed customer requirements and resolved difficult client interactions, resulting in an 80% sales conversion rate.
- Collaborated with 2 team members to optimize operational efficiency, facilitating seamless customer handovers.

## SKILLS & INTERESTS

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**Languages:** Python, Java, C/C++, JavaScript, TypeScript, SQL, HTML & CSS

**Frameworks & Libraries:** React, Flask, Node.js, NPM, Docker, Git, Generative AI

**Cloud & DevOps:** Azure SQL, AWS (EC2, Lambda, S3), CI/CD Pipelines

**Concepts:** API Design, Database Management, Data Analytics, Cloud Infrastructure, Agile Development, Automation & Scripting, Machine Learning, QA/Debugging

**Interests:** Basketball, Reading (Harry Potter), Board Games (Catan), Movies & TV (Django), Video Editing, Video Games