

# Sophia Ize-Iyamu

MBA Candidate | Strategy · Product · AI-Enabled Decision Systems

Toronto, ON, Canada | Canadian citizen (TN eligible for U.S.)

**Email:** sophia.o.izeiyamu@gmail.com | **LinkedIn:** sophia-ize-iyamu | **Portfolio:** <https://sophia-ize-iyamu.pages.dev>

## EDUCATION

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### University of Toronto, Rotman School of Management

Master's Degree, Business Administration (MBA)

Expected: April 2027

- Focus: Strategy, Finance, AI-enabled systems

### University of Toronto, Faculty of Applied Science and Engineering

Bachelor's Degree, Mechanical Engineering (BASc)

- Minors: Engineering Business, Mechatronics/Robotics, Bioengineering

## SKILLS

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**Strategy & Finance:** Scenario and sensitivity analysis, pricing strategy, revenue modeling, unit economics

**Product Management:** Product strategy, experimentation, KPI development, growth and adoption analysis

**Data & AI:** Data analysis, LLM-based workflows, AI-enabled decision-making, performance tracking, dashboarding

**Tools:** Excel (Advanced), SQL, Python, Tableau, Apache Spark, Streamlit

## PROFESSIONAL EXPERIENCE

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### Black Founders Network

Product & Strategy Associate Intern

May 2025 - Aug 2025

- Evaluated 17 commercialization, pricing, and growth scenarios to support product strategy and revenue model decisions across early-stage ventures
- Designed AI-enabled experimentation workflows that improved testing velocity, adoption visibility, and data-driven decision-making processes
- Analyzed user behavior, engagement, and performance data to identify friction points and recommend conversion and retention improvements
- Delivered strategic recommendations to leadership supporting commercialization planning, operational prioritization, and fundraising initiatives

### Imperial Oil

Mechanical Engineering Intern

May 2023 - Aug 2024

- Identified a \$60.6M margin improvement opportunity through operational and economic analysis across a 200,000 barrel-per-day production asset
- Built 8 scenario and sensitivity models evaluating capital allocation, production tradeoffs, and operational optimization initiatives exceeding \$10M across 12 projects
- Assessed cost drivers, production constraints, and system bottlenecks to support investment prioritization, operational efficiency, and strategic decision-making
- Delivered financial and operational insights to senior stakeholders to inform production planning, capital prioritization, and cross-functional execution

### University of Toronto

Research Assistant

May 2021 - Apr 2025

- Developed and evaluated machine learning models under varying operational constraints, assessing performance across multiple environments and datasets
- Synthesized technical findings into structured insights and recommendations supporting research direction and analytical decision-making
- Collaborated across technical and academic stakeholders to improve experimentation quality, model evaluation, and research execution

## LEADERSHIP

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- Vice President (Clubs), Rotman Graduate Business Council
- Class Representative, Business Analytics Club
- Treasurer, National Society of Black Engineers (Graduate Chapter)

## PROFESSIONAL DESIGNATIONS

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CFA Program Candidate (Level I)