

# NATHAN Cox

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Toronto, ON | Nathanielthomascox@gmail.com | 289-259-7204 | [www.linkedin.com/in/nathan-cox-](https://www.linkedin.com/in/nathan-cox-)

## EDUCATION

### Bachelor of Engineering

Toronto, ON

*Toronto Metropolitan University*

2020 – 2024

- Majored in Industrial Engineering
- President of Canadian Aeronautics and Space Institute - TMU Chapter
- Related courses: Data Analytics, Project Management, Information Systems, Systems Modelling, Financial Engineering
- Research interests include statistical process measurement, business strategy, financial technology, artificial intelligence

## WORK EXPERIENCE

### Account Executive

Edmonton, AB

*Smarthaven*

December 2022 – September 2023

- Achieved top rookie status, ranking in the top 5% of new hires for sales performance
- Closed over 40 sales within the first two months, generating \$120,000 in revenue
- Maintained a customer satisfaction score of 93% by providing exceptional service and follow-up

### Research Analyst

Oakville, ON

*Quest CIS Inc.*

May 2022 – November 2022

- Published \$0-\$30M long-term business model for food production DTC startup in preparation for crowdfunding
- Led product proof of concept testing, achieving a 20% reduction in production costs
- Branding and eMarketing omnichannel strategy development leading to a \$3 return on ad spend

### Software Engineer

Toronto, ON

*Myant Inc.*

May 2021 - September 2021

- Conducted comprehensive testing of mobile application and wearable technology, identifying and documenting over 100 bugs
- Implemented validation protocols using Python and JavaScript for identifying and documenting bugs
- Integrated closely with cross-functional teams, including hardware, data science, and production to integrate new features
- Identified an 11% decrease in production cycle time through time and motion studies, optimizing workflow processes

## ACADEMIC PROJECTS

### Discrete-Event Simulation of Queue Management System

- Rearranged queue system model to optimize customer flow at Tim Hortons franchise, reducing bottlenecks
- Achieved an 8% reduction in customer wait times and 6% increase in customers served
- Spearheaded weekly meetings to update team progress deliverables using Kanban boards, ensuring timely project completion

### Quality Control Analysis of Merchco Textiles

- Conducted design of experiments to identify two key quality factors impacting product accuracy
- Identified a 15% defect rate in the final product and implemented process improvements to reduce defects by 12%
- Used data visualization software to present findings to stakeholders, facilitating informed decision-making

## CERTIFICATES & AWARDS

- Microsoft Azure Fundamentals
- Lean Green Belt Certificate
- Extended French Award
- Royal Conservatory of Music Grade 8 Certificate (Piano and Theory)
- National Lifeguard and Swimming Instructor Certifications

## SUMMARY OF QUALIFICATIONS

- Proven ability to work creatively and analytically in a problem-solving environment
  - Utilization of data analysis knowledge and experience to solve real world engineering problems
  - Software skills: MS Powerpoint, SQL, MS Excel, Visio, Python, MATLAB, Minitab, Solidworks
  - Technical Skills: Statistical Analysis, Data Visualization, Data Interpretation, ERP Systems, Agile Methodologies
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