



# HUY NGUYEN

Oshawa, Ontario (Willing to relocate)

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## Professional Summary

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Hello! I am Huy, a dedicated student actively pursuing a Master degree in Business Analytics and AI at Ontario Tech University. I am passionate about leveraging data-driven insights and advanced analytics to drive innovation and address business challenges. My blend of academic expertise and practical experience positions me as a valuable asset for digital transformation initiatives, aligning with the growing demand for data-driven solutions across diverse sectors. My commitment to embracing emerging technologies and my background in engineering have prepared me well to contribute to the next phase of the industry's digital evolution.

- Passionate about data modeling and development, with proficiency in Python and PowerBI.
- Strong problem-solving and analytical skills with experience in SQL and data extraction.
- Possess a robust foundation in data-related coursework, augmented by a keen interest and proficiency in machine learning techniques and applications.
- Quick learner, eager to explore emerging cloud platforms and big data architectures' frameworks.
- Proven ability to collaborate and build strong working relationships.
- Excellent communication and data visualization skills, ability to present complex information in a clear manner.
- Enthusiastic about contributing to a dynamic organization and able to thrive in a fast-paced environment.

## Education

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### University of Ontario Institute of Technology

*Master of Business Analytics & AI*

Sep 2023 – Present  
Oshawa, Ontario, Canada

- Relevant Coursework: Business Analytics (R), Programming and Data Processing (Python), Visualization and Storytelling, Digital Transformation

### Seoul National University of Science & Technology

*Master of Science, Mechanical Engineering*

Sep 2018 – Aug 2020  
Seoul, South Korea

### Hochiminh City University of Technology

*Bachelor of Engineering, Mechatronic Engineering*

Sep 2013 – Apr 2018  
Hochiminh city, Vietnam

## Competencies

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- Programming Languages : Python, R, SQL
- Data Visualization : Google Studio, Origin, Power BI, Tableau
- Data Cleaning : Tableau Prep Builder, Excel
- Database: MySQL, PostgreSQL, Google BigQuery, Teamcenter
- Design : Autocad, Inventor, Solidworks, Creo
- Calculation: Mathcad, Comsol
- Others : Tableau Prep Builder, Microsoft Offices, Adobe Premiere, Adobe Photoshop
- Certificates :
  - Completed a course in Career Essentials in Data Analysis by Microsoft and LinkedIn.
  - Completed a course in Career Essentials in Generative AI by Microsoft and LinkedIn.
  - Data Science Hands On (PowerBI, SQL, Tableau, Spark, Python). (Udemy)
  - Tableau Prep Masterclass: Data Preparation, Analysis & ETL. (Udemy)
  - My SQL Database. (freeCodeCamp)
  - SQL Tutorial – Full Database Course. (freeCodeCamp)
  - Pursuing Google Data Analytics Professional Certificate. (On-going)
  - Pursuing Microsoft Certified Data Analyst Associate. (On-going)

## Professional Experience

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### **Baker Hughes Energy, Oil Field Equipment**

*Mechanical Design Engineer, Control Division, Hymech*

Apr 2021 – Jul 2023  
Hochiminh city, Vietnam

- Engage in the conceptualization and creation of mechanical components and assemblies (Subsea Control Module, Power and Control Distribution Module which provide well control functions, Test Stand, Mounting Base, etc.) to be deployed in subsea oil and gas production.
- Foster collaboration with Instrumentation and Software Team, synergizing efforts to refine and enhance design concepts.
- Actively partake in the validation of designs through meticulous calculation procedures.
- Transform intricate design schematics into manufacturable reality, while keenly identifying potential hazards and legal liabilities, concurrently devising strategies to mitigate such risks.
- Assure the compliance of engineered products with international and regional safety and quality standards, including API-17F, ISO-13628-6, and ASME, by scrutinizing functional design specifications and technical compliance.
- Conduct comprehensive review of fabrication drawings, assembly drawings, bills of materials and support any change of orders.

### **Seoul National University of Science & Technology**

*Researcher, Miniaturised Medical Systems Lab (MMSL)*

Sep 2018 – Dec 2020  
Seoul, South Korea

- Extensively research in Piezoresistive pressure sensor for guidewires.
- Test, collect, and process signals from fabricated sensor.
- Design sensor using 2D and 3D CAD softwares (Autocad, Solidworks, Orcad).
- Simulate (FEA) sensitivity using Comsol Multiphysics.
- Build a testing setup collecting signals through a mono-DAQ.
- Process Signal, gather data, and visualize result on dashboard.

## Awards & Scholarships

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| • International conference paper in BME9, Hochiminh City, Vietnam  | 2022 |
| • Conference paper in Korean MEMS, Jeju, South Korea   | 2019 |
| • International conference paper in Solid State Devices & Materials, Nagoya, Japan                           | 2019 |
| • Master research scholarship at MMSL, Seoultech, Seoul, South Korea   | 2018 |
| • Global internship program scholarship at Gwangju Institute of Science and Technology, Gwangju, South Korea | 2017 |

## Languages

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- English: Advanced
- Vietnamese: Mother-tongue