

# NICHOLAS PORRONE

## Education

- Ivey Business School** 2020 to 2021  
MSc Business Analytics
- The University of Western Ontario (UWO)** 2016 to 2020  
BSc (Honors) Double Major in Data Science and Computer Science

## Internships

- Amico Affiliates Data Science Internship** Infrastructure Company Summer 2018
- Contributed to the successful turnaround of a corporate-wide ERP, transforming a failed project into a successful implementation at ½ the cost.
  - Designed and implemented significant portions of the transformations from multiple source systems to the ERP.

## Projects

- Deep Learning Search Models** Fall 2019
- Designed, implemented and tested deep learning models to win in a structured environment ("Pac-Man" game) via various heuristics.
  - Employed and evaluated multiple admissible heuristics ("Manhattan Distance", proximity models, etc.) and search models (breadth-first, depth-first, Minimax, etc.) to identify the most efficient game-winning strategy.
- Digital Mirror Application** Fall 2019
- Designed, implemented and successfully QA tested a "Smart Mirror" that functions as a real-time personal information portal using overlays.
  - Employed QR codes to identify users via cellphone.
  - Collected and graphically displayed user data extracted from APIs as JSON objects.
- Customer Targeting - Portuguese Banking Institution** Spring 2019
- Designed classification models to match consumer demographics and other variables to identify potential term deposit clients for an international bank.
  - Identified fifteen explanatory continuous and categorized input variables for analysis.
  - Applied multiple statistical techniques to pinpoint key factors in customer selection and developed classification trees to reflect results.
- KPI Analysis - National Association of Insurance Commissioners** Summer 2018
- Developed filters to identify loss incurring insurance companies from a database containing +3000 organizations.
  - Designed and implemented multiple statistical models to uncover KPIs and key relationships between company expenses and losses.
  - Implemented data analytics to evaluate and compare model results.

## Additional Experience

- Sutherland Global · ESPN Fantasy Sports Specialist** Summer 2020
- Handled 50+ customer interactions per day, providing customers with detailed, friendly, and helpful service to ensure successful fantasy sports experiences.
- All Temp Foods · Inventory Manager/ Web Development** Summer 2019
- Managed inventory and established control mechanisms to ensure freshness and accuracy of produce.
  - Designed and developed a new user-friendly website, displaying product and company values which lead to a 30% increase in website views.

## Contact

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## Skills

TECHNICAL	METHODS	MANAGERIAL
R	Statistical Modeling	Communication
Python	Heuristics and Algorithms	Team Building
C/C++	Requirements Gathering	Project Management
Java	UML	Training
SQL	Design Patterns	Leadership
Visual Basic	User Stories	
JSON		
JIRA		
Excel		
Git		

## Special Interests

- Western AI Club (UWO)**
- Leader of a team building innovative data science solutions.
  - Attended multiple data science technical events.
- Other Interests**
- Artificial Intelligence
  - Business Intelligence
  - Machine Learning
  - Neural Networks
  - Big Data
  - Data Mining
  - Agile
  - Scorecards

## Awards

- Valedictorian**  
Cardinal Carter Catholic Secondary School
- Academic Entrance Scholarship**  
The University of Western Ontario (UWO)

## Activities

- Fantasy Football  
Sports Analytics  
Piano