

Hisham Salem

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EDUCATION

McGill University, Desautels Faculty of Management Montreal, Canada
Master of Management in Analytics Aug 2021 – Dec 2022
• GPA: 3.51; Merit Entrance Scholarship (\$4000) and Directors Award (\$2000)
Analytics Consulting Project with McKesson, CoE (Top 6 Project), *Data Scientist* Oct 2021 – May 2022
• Built an end-to-end SOTA solution for timeseries forecasting for neural networks, machine learning, and statistical models while achieving less than a 2% Annual APE Error. Final Project Value up to 20 million in revenue accuracy
• Conducted data preprocessing, feature engineering, feature selection and outlier detection to deal with erratic timeseries data.
• Integrated External Data and Conducted advanced statistical to detect causal relationships in McKesson Data.
University of Toledo, John B and Lillian E. Neff College of Business Toledo, United States
BBA, Concentration in Information Systems, Minor in Accounting Aug 2017 – May 2021
• GPA: 3.8; International Rocket Scholarship; Financial Mgmt. Association scholarship (Beta Alpha Psi)

TECHNICAL SKILLS

Programming Skills/Languages: Python, R-Programming Language, SQL, PHP, VBA, SAS, ASP, Git, Unix
Tools: Excel, Access, MySql, Databricks, R Studio, Azure, Pulp, Gurobi, Optuna, Sktime, Numba (developing), NLTK, Jira, Confluence, Bitbucket, GDAP.
Skills: Data Cleaning, Machine Learning (R & Python), Timeseries Forecasting, Synthetic Data Generation, Statistical Data Imputation, CI-CD, Agile project management, Prescriptive Analytics & Decision Optimization, Deep Learning (Keras), Causal Inference, Natural Language Processing and Sentiment Analysis.

PROFESSIONAL EXPERIENCE

Scotiabank Toronto, Canada
Data Scientist (Code Lead) May 2022 – August 2022
• Build an end-to-end Scalable model for ABM cash forecasting for Scotiabank in Canada (2150 ABMs).
• Build a data sanity reporting pipeline for model maintenance and development.
• Evaluate and implement academic literature (Ensemble Forecasting, Neural Networks, Tree Based Models)
University of Toledo Toledo, United States
IT Helpdesk Specialist June 2019 - Mar 2020
• Expedited project efficiency by utilizing my project management skills to update 200+ computers promptly while actively managing other tasks in a fast-paced environment.
University of Toledo, Department of Accounting Toledo, United States
Research Assistant Jan 2018 - May 2018
• Sourced, collected, consolidated, and wrangled data from large samples; enabled the lead researcher to conduct accurate hypothesis testing on the efficacy of online learning for accounting.

PROJECT EXPERIENCE ([Portfolio Website](#)) ([GitHub for smaller scale projects](#))

University of Toronto, Rotman Datathon/Hackathon Toronto, Canada
Competitor/Modeler Oct 2020
• Identified the business case, determined the statistical question, applied Recursive Features Elimination method for Logistic regressions, Chi-Square, Decision Trees, and KNN; developed Machine Learning models that identified 7 out of 10 fraudulent healthcare providers in the United States to the IRS.

LEADERSHIP AND EXTRACURRICULAR

Beta Alpha Psi, University of Toledo Toledo, United States
Vice President of Operations Jan 2019 - May 2020
• Improved member retention of the professional fraternity and recruitment by 80% through challenging the status quo and implementing new organization practices to optimize company recruiters' events coordination.
• Innovative ideas allowed us to reach a record-high of 95% full-time job offers to students upon graduation and to rank as top 3 Beta Alpha Psi best practices in the Midwest.

SKILLS AND INTERESTS

Languages: English (fluent), Arabic (native) **Interests:** History, Cooking, Soccer, and Gaming.