

Robert Proner

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RESEARCH INTERESTS

Applied machine learning in economics and finance, specifically macroeconomic time series forecasting and asset pricing.

EDUCATION

Fall 2023 MA Economics
Western University

2018 - 2023 BComm (Co-op) in Economics & Finance, Finance Emphasis, Statistics Minor
University of Guelph Cumulative GPA: 91.2 (Max 100.0)

AWARDS

SSHRC Master's Scholarship 2023-2024	\$17,500
Dean's Scholarship	An amount of \$2000 awarded to the top 25 students in the Lang School of Business and Economics. Received twice, in Winter of 2021 and Fall of 2022.
Department of Economics and Finance Chair's Economics Scholars List	Received in the inaugural year Fall 2022 for outstanding achievement in Economics and Finance.
Economic Chair's Honours	Received Fall 2019.
Dean's Honours List	Received every semester for having an average of above 80.
2018-2019 OUA Academic All-Canadian	Received for achieving an average of above 80 in full-time studies while participating in a varsity sport (Football).

WORKING PAPERS

Proner, R. Dynamic Phillips Curve Neural Network for Inflation Forecasting

Proner, R., Liu, F.. Factor Timing with Deep Learning.

McMillan, P.G., Proner, R., Feng, F., Deeth, L. E., , Arciszewski, T.J. The Interpretability-Performance Trade-off of Artificial Neural Networks for Predicting Normal Ranges in Ecological Studies.

WORK EXPERIENCE

Undergraduate Research Supervisor May 2023-Present
University of Guelph — Department of Economics and Finance

Research and Innovation Intern Sep 2022-present
Cooperators — Research and Innovation

Research Assistant Aug 2022–present
University of Guelph — Department of Economics and Finance

Research Assistant May 2022–Aug 2022
University of Guelph — Department of Mathematics and Statistics

– The Interpretability-Performance Trade-off of Artificial Neural Networks for Predicting Normal Ranges in Ecological Studies.

Business Intelligence Intern May 2022–Aug 2022
Cooperators — Business Intelligence, Analytics Experience

– Data analysis and research on forecasting in insurance.

Student Economist May 2021–Sep 2021
Statistics Canada — Wholesale Trade

– Automating data retrieval and Shiny app creation.

Data Scientist Feb 2021–April 2021
Lee & Associates — Insolvency and Restructuring

– Data retrieval and machine learning (bankruptcy prediction).

Data Science Research Analyst Sep 2020–Dec 2020
CaseWare International — Data Science Research

– Natural language processing (NLP) and research on bankruptcy prediction.

Undergraduate Research Assistant Jan 2020–Aug 2020
University of Guelph — Department of Economics and Finance

– Assisting Professor Johanna Goertz and Professor Kirill Chernomaz with their paper on symmetric and asymmetric equilibria in three-alternative common value elections: K. Chernomaz, J.M.M. Goertz, (A)symmetric Equilibria And Adaptive Learning Dynamics in Small-Committee Voting, Journal of Economic Dynamics and Control, 2022, 104587, ISSN 0165-1889.

SKILLS

Programming Proficient in Python and R for Data Science, including sklearn, keras, and tensorflow libraries.

Machine/Statistical Learning Research experience in various machine learning techniques including linear models, tree-based methods, and deep learning.

OTHER ACHIEVEMENTS & ACTIVITIES

University of Guelph Football	Received a full scholarship of \$4500 to play football for the University of Guelph. Played as a defensive tackle and defensive end in the Fall 2018 season.
OHL Hockey	Drafted in the 2nd round of the 2015 OHL Priority Selection. Played in the OHL for the Saginaw Spirit and Barrie Colts Clubs.
Mississauga Marathon (42.2km)	Ran in the Mississauga Marathon in the Summer of 2019. Completed the Marathon in 4 hours and 17 minutes.
Jr. B Lacrosse	Played Jr. B Lacrosse for the Oakville Buzz lacrosse club.