

Hamed Shourabizadeh

Curriculum Vitae

Education

- 2017–present **PhD Candidate in Applied Machine Learning**, *Mechanical & Industrial Engineering Department*, University of Toronto (UofT), Toronto, ON, Canada.
- 2015–2017 **Research & Teaching Assistant**, *Engineering Department*, Ozyegin University (OzU), Istanbul, Turkey.
- 2013–2015 **M.Sc. in Industrial Engineering**, *IE department*, Sharif University of Technology (SUT), Tehran, Iran.
- 2009–2013 **B.Sc. in Industrial Engineering**, *IE department*, Iran University of Science and Technology (IUST), Tehran, Iran.

Skills

Software & Coding Python (Scikit-Learn, PyTorch, TensorFlow), MATLAB, Java, C Programming, SQL, GUROBI, CPLEX, AMPL, R programming, Minitab, SAS

Research Interests

Machine learning	Healthcare systems
Data mining in healthcare	Statistical data analysis
Non-linear classification and regression	Survival analysis
Optimization and operations research	Inventory management

Publications

- Shourabizadeh H., Aleman D. M., Rousseau L. M., Law A. D., Viswabandya A., Michelis F. V. *Machine learning for the prediction of outcomes post-allogeneic hematopoietic cell transplantation: A single-center experience*. Submitted to *Biology of Blood and Marrow Transplantation*, 2022
- Shourabizadeh H., Kundakcioglu O. E., Bozkir C. D. C. Bozkir, Tufekci M. B., *Healthcare Inventory Management in the Presence of Supply Disruption and a Reliable Secondary Supply Channel*-Submitted to *European Journal of Operational Research*, 2020 Oct.
- Yigit I. O., Shourabizadeh H. *An approach for predicting employee churn by using data mining*. In *International Artificial Intelligence and Data Processing Symposium (IDAP)*, 2017 Sep; pp. 1-4. IEEE.

Conferences & Presentations

- June 2022 **Machine learning for survival prediction of hematopoietic cell transplantation**, 2022 *CORS/INFORMS International Conference*, Vancouver, Canada.
- March 2020 **Machine Learning For the Prediction of Outcomes Post-Allogeneic Hematopoietic Cell Transplantation**, 46th *Annual Meeting of the European Society for Blood and Marrow Transplantation (EBMT)*, A-1137-0036-01533, Madrid, Spain, CANCELED due to COVID-19.

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- July 2017 **Ordering and Transshipment Policies for a Healthcare System with Two Hospitals**, 2017 YAEM Industrial Engineering Congress, Yildiz Technical University, Istanbul, Turkey.
- September 2013 **Success Keys in Graduate School**, 2013 Congress on the appreciation of the top ranks of the master's entrance exam, Tehran, Iran.

Experience

- 2018–present **Teaching Assistant**, MIE1624- Introduction to Data Science, MIE262 - OR I, MIE365 - OR III, MIE1623 - Introduction to Healthcare Engineering, MIE1620- Linear Programming and Network Flow. Mechanical & Industrial Engineering Department, University of Toronto, Toronto, ON, Canada.
- 2017–present **Data Scientist**, PRINCES MARGARET HOSPITAL, University Health Network, Toronto, ON, Canada.
- 2015–2017 **Researcher**, THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY(TUBITAK) 3501 (CAREER) Award, Istanbul,Turkey.
- 2015–2017 **Teaching Assistant**, OZYEGIN UNIVERSITY, Istanbul, Turkey, Courses: Math216- Statistics, IE342- Data Mining.
- 2014–2015 **Lecturer - Statistics**, MODARESSAN-E-SHARIF INSTITUTE, Tehran, Iran.
- 2012–2013 **Teaching Assistant**, IRAN UNIVERSITY OF SCIENCE AND TECHNOLOGY, Tehran,Iran, Course: Statistical Quality Control.

Volunteer Experience

- 2019–2021 **Operations and Logistics Lead**, THE OPERATIONS RESEARCH CHALLENGE (TORCH), UofT, Toronto, ON, Canada.
- 2019–2020 **Events Management Director**, PROFESSIONAL GRADUATE STUDENTS CAUCUS, UofT, Toronto, ON, Canada.
- 2014–2015 **Editor in Chief**, ISIQ STUDENT MAGAZINE, SUT, Tehran, Iran.
- 2012–2013 **Editor in Chief**, GUNES STUDENT MAGAZINE, IUST, Tehran, Iran.

Awards

- 2019 6T6 Industrial Engineering Fellowship in Healthcare Engineering
- 2018 Parya Scholarship Fund (PSF)
- 2017 Barbara and Frank Milligan Graduate Fellowship
- 2015 Full Scholarship for Ph.D. program in the field of Mechanical & Industrial Engineering at University of Toronto
- 2015 Full Scholarship for Ph.D. program in the field of Industrial Engineering at Ozyegin University
- 2013 Ranked 6th in the Nationwide Entrance Exam of Master's Program in Industrial Engineering (among more than 10,000 applicants)