

# Saman Lagzi

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## CONTACT INFORMATION

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Website: <https://samanlagzi.com>

## RESEARCH INTEREST

*Data-driven Decision Making*  
*Empirical Healthcare Operations Management*  
*Integer Programming*  
*Approximation Algorithms*  
*Data Analytics and Statistics*

## EDUCATION

**PhD. in Operations Management and Statistics,** 2016 - 2022 (*Expected*)  
*Rotman School of Management, University of Toronto (UofT)*  
*Thesis Committee: Ming Hu, Joseph Milner and Gonzalo Romero*  
**Master of Mathematics in Combinatorics and Optimization,** 2014 - 2016  
*University of Waterloo, Waterloo, Ontario, Canada (C&O)*  
*Advisors: Ricardo Fukasawa and Luis Ricardez-Sandoval*  
**Master of Industrial and Systems Engineering,** 2012 - 2014  
*Auburn University, Auburn, Alabama, USA (AU)*  
**B.Sc. in Industrial Engineering,** 2007 - 2012  
*Sharif University of Technology, Tehran, Iran (SUT)*

## RESEARCH EXPERIENCE

### Working Papers

#### **Model-Free Assortment Pricing with Transaction Data**

*with Ningyuan Chen, Andre Cire and Ming Hu (Forthcoming at Management Science)*

- “Finalist, CORS Student Paper Competition, Open Category 2021”
- “Supported by TD-MDAL Grant for Research in Data-Analytics (5000 CAD)”

#### **Negative Spillover on Service Level across Priority Classes: Evidence from a Radiology Workflow Platform**

*with Timothy Chan, Nicholas Howard, Bernardo F. Quiroga and Gonzalo Romero*

- “Accepted for oral presentation at the Workshop on Operations of People-Centric Systems at EC’21”
- “Finalist, CORS Student Paper Competition, Open Category 2020”
- “Supported by Sandra Rotman Centre for Health Sector Strategy Grant (15000 CAD)”

## Published Papers (Pre-PhD)

### **A Multitasking Continuous Time Formulation for Short-term Scheduling of Operations in Multipurpose Plants**

*Computers & Chemical Engineering* 97: 135-146 (2017).

- *Industry Project with Activation Laboratories Ltd.*

### **A Computational Study of Continuous and Discrete Time Formulations for a Class of Short-Term Scheduling Problems for Multipurpose Plants**

*Industrial & Engineering Chemistry Research* 56 (31): 8940–8953 (2017).

- *Industry Project with Activation Laboratories Ltd.*

## Works in Progress

### **Guiding Decision Making Using Neural Networks, a Case Study on the Newsvendor Problem**

*with Ningyuan Chen and Joseph Milner (Target: Management Science)*

### **Data-driven Bundle Pricing**

*with Ningyuan Chen, Andre Cire and Ming Hu (Target: Operations Research)*

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## TEACHING EXPERIENCE

### **Instructor at the University of Toronto:**

- *Operations Management,*
- *Full teaching responsibilities (class size: 55 students)*
- *Course evaluation response rate: 84%*
- *Overall quality of learning experience: 4.7/5*
- *Institutional Composite Mean: 4.7/5*

*Summer 2021*

### **Teaching Assistant at the University of Toronto:**

- *Big Data Analytics*
- *Supply Chain Management*
- *Operations Management*
- *Statistics*

*2018 - 2020*

*2018 - 2020*

*2018 - 2021*

*2017 - 2021*

### **Teaching Assistant at the University of Waterloo:**

- *Deterministic Operations Research Models*
- *Linear Algebra*

*2014 - 2016*

*2015 - 2016*

### **Teaching Assistant at Auburn University:**

- *Engineering Economics*

*2012 - 2014*

### **Teaching Assistant at Sharif University of Technology:**

- *Principals of Marketing*

*2009 - 2011*

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WORK  
EXPERIENCE

**Industrial Engineer**, *Shabnam Lent Mahabad, Mahabad, Iran.* 2011 - 2012

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HONORS AND  
AWARDS

- **Ontario Graduate Scholarship** 2020 - 2021
  - **Finalist**, *CORS Student Paper Competition, Open Category* 2020
  - **Finalist**, *CORS Student Paper Competition, Open Category* 2021
  - **Sandra Rotman Centre for Health Sector Strategy Grant**  
*15000 CAD* 2021 - 2022
  - **TD-MDAL Grant for Research in Data-Analytics**  
*5000 CAD* 2021 - 2022
  - **University of Toronto Doctoral Completion Award** 2021 - 2022
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REVIEW  
SERVICES

*Invited by Shreyas Sekar to review for The Twenty-Second ACM Conference on Economics and Computation (EC'21)*

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CITIZENSHIP

**Canadian Citizen**

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REFERENCES

- **Prof. Ming Hu**  
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- **Prof. Timothy Chan**  
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- **Prof. Ningyuan Chen**  
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- **Prof. Gonzalo Romero**  
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