

# MEHRNAZ BEHROOZ

📍 Edmonton, AB    📞 +1 (825) 436 0252    ✉️ mbehrooz@ualberta.ca

🌐 <https://www.linkedin.com/in/mehrnaz-behrooz-0a2879195/>

## Education

**University of Alberta** – *Doctor of philosophy*

Alberta School of Business (Major: Business Analytics)

- Advisors: Ilbin Lee and Ivor Cribben

**Alberta-Canada**

2020-present

**Amirkabir University of Technology** – *Master of Science*

Industrial Engineering (Major: Health Systems Engineering)

- Thesis: Find an Optimal Screening Policy for Hepatitis C
- Advisor: Amin Dehghanian

**Tehran-Iran**

2017-2020

**Amirkabir University of Technology** – *Bachelor of Science*

Industrial Engineering

- Thesis: Design a Fuzzy System for Diagnosing the HCV Intensity Rate
- Advisor: MH Fazel Zarandi

**Tehran-Iran**

2013-2017

## Research Interests

- Healthcare Operations
- Retirement Decision-Making
- Data Analytics in Healthcare
- Dynamic Programming
- Stochastic Modeling and Optimization
- Randomized Control Trials
- Fuzzy Systems

## Awards, Fellowships, & Grants

- Eric Geddes/Alberta Innovates Fellowship in Health Organization Studies 2022
- Graduate Research Assistantship Funds from Ilbin Lee 2022
- Doctoral Recruitment Scholarship from University of Alberta 2021
- Ranked 1<sup>th</sup> in Health Systems Major and 4<sup>th</sup> among the MSc Students of Industrial Engineering in Amirkabir University of Technology 2020
- Iran National Science Foundation Grant for My MSc Thesis 2019
- Ranked 4<sup>th</sup> among the BSc Students of Industrial Engineering at Amirkabir University of Technology 2018
- Ranked 4<sup>th</sup> among the BSc Students of Industrial Engineering at Amirkabir University of Technology 2016

## Conference Publication

M. Behrooz and M. H. F. Zarandi, *Design and Implementation of Fuzzy Expert System Based on Evolutionary Algorithms for Diagnosing the Intensity Rate of Hepatitis C*, North American Fuzzy Information Processing Society Annual Conference, pp. 24-36. Springer, Cham, 2018

## Working Paper

M. Behrooz, A. Dehghanian, and S. M. Alavian, *Optimal Screening Policy for Hepatitis C: A POMDP Approach*, in progress.

## Teaching Experiences

### Teaching Assistant

#### **Alberta School of Business**

- Data Visualization (OM 488) Spring 2022

#### **Amirkabir University of Technology**

- Inventory Control (I) Spring 2020
- Linear Algebra 2019
- Operation Research (II) 2018
- Inventory Control (II) 2018
- Quality Control Fall 2018
- Motion & Time Study Spring 2018
- Engineering Economics Fall 2017

### High school Teacher

#### **White Consultant Library**

- Mathematics 2013 – 2015
- Arabic 2013 – 2015

## Volunteer Experiences

### **University of Alberta**

- Executive team member of Business Research Conference 2022
- Executive team member of Business Doctoral Association 2021 – 2022

### **Amirkabir University of Technology**

2014

- R&D Committee member of *Masaf Journal*  
(*Technical Journal of IE in Amirkabir University of Technology*)
- Writer and Editor in *Rastad Magazine*  
(*An Entertainment Journal in Amirkabir University of Technology*)

## Work Experiences

<b>Ministry of Science, Research &amp; Technology</b>	2018
• Design budget allocation system for clustrering laboratories	
<b>Iran Khodro car Assembly company</b>	2016
• Internship in 206 manufacturing department	
<b>Rayannik International Firm</b>	
• Field study of organizational motivation based on expectancy theory	2014
<b>White Consultant Library</b>	
Consultant and Academic Advice to high school student	2014

## Skills

- **Programming:** Python, R, C, CodevisionAVR
- **Software:** LaTeX, MATLAB, GAMS, NetLogo, MSP, Altium, Solidworks, Microsoft Office
- **Others:** Presentation, Documentation

## Hobbies & Extracurricular Activities

- Writing poems, short stories, and diaries
- Playing piano
- Photography
- Sports: TRX, Yoga, Swimming, Badminton, Horse riding

## Language Proficiency & Test Scores

**Persian** (Native), **English** (Fluent), **French** (Niveau A2)

**GRE General Test:** **Total: 323/340**

(Quantitative Reasoning: 170/170, Verbal Reasoning: 153/170, Analytical Writing: 3.5)

**TOEFL iBT:** **Total: 105/120**

(Reading: 30/30, Listening: 27/30, Speaking: 24/30, Writing: 24/30)

## References

**Ivor Cribben** (PhD Supervisor), Associate Professor

Alberta School of Business, University of Alberta, Edmonton, Alberta, CA

Email: [cribben@ualberta.ca](mailto:cribben@ualberta.ca)

**Ilbin Lee** (PhD Supervisor), Assistant Professor

Alberta School of Business, University of Alberta, Edmonton, Alberta, CA

Email: [ilbin@ualberta.ca](mailto:ilbin@ualberta.ca)

**Amin Dehghanian** (MSc advisor), Postdoctoral Fellow | Assistant Professor

H. Milton Stewart School of Industrial and Systems Engineering, Georgia Institute of Technology, Atlanta, Georgia, U.S.A

Email: [adehghanian3@gatech.edu](mailto:adehghanian3@gatech.edu) | [amin.dehghanian@aut.ac.ir](mailto:amin.dehghanian@aut.ac.ir)