

Faraz Ahmadi

M.SC. CANDIDATE · COMPUTATIONAL SCIENCE AND ENGINEERING (CSE IN BUSINESS)

Hamilton, Ontario, Canada

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Education

McMaster University

Hamilton, ON

M.SC. COMPUTATIONAL SCIENCE AND ENGINEERING - CSE IN BUSINESS

Sep. 2019 - Aug. 2021

- Relevant Courses: Marketing Analytics, Data Science
- Supervisor: Manaf Zargoush, Degroote School of Business

Sharif University of Technology

Tehran, Iran

B.SC. ELECTRICAL ENGINEERING WITH HONOURS - BIO-ELECTRIC MAJOR

Sep. 2014 - Jun. 2019

- Relevant Courses: Pattern Recognition, A.I. and Biological Computation, Data Structures and Algorithms

Work Experience

Degroote School of Business, McMaster University

Hamilton, ON

RESEARCH ASSISTANT

Sep. 2019 - Present

- Data Analytics and Machine Learning on massive health care dataset such as Canadian Longitudinal Study on Aging (CLSA) and National Ambulatory Care Reporting System (NACRS)
- Implementing Predictive and Descriptive models using R/Python

McMaster University

Hamilton, ON

TEACHER ASSISTANT

Sep. 2019 - Present

- Courses: Applied Statistics for Business, Calculus for Life Sciences, Probability and Linear Algebra
- Tutoring students in Python and Java

Projects

Health and Wellness Segmentation on Ontario population for RBC Insurance

COURSE: MARKETING ANALYTICS

Dec. 2020

- Used data from CAMH and Environics Analytics to identify the segments who are facing a decline in mental health during COVID-19
- Practiced team-work in a data science project and presented results as a team of 4 members to RBC Insurance
- Used a wide range of analytical methods to produce knowledge from both data set

Predicting Early Mobility Limitations and its Characteristics in Older Adults

GRADUATE RESEARCH

Jul. 2020 - Present

- Working on Canadian Longitudinal Study on Aging (CLSA) data
- Data cleaning/modifying and building predictive models
- Presenting results to a research team of different disciplines

Predicting Life Expectancy in the Global Public Health Data

COURSE: DATA SCIENCE

Apr. 2020

- Built ML models (Ensemble Decision Trees, Random Forest, Logistic Regression, etc.) to Predict Life Expectancy based on Public Health Factors

For complete list of projects visit my [personal website](#).

Skills

Programming Languages

Python, R, SQL, Matlab, SAS, C/C++, Shell Script, PHP, Java Script, HTML, CSS

Analytical Tools

Pandas, NumPy, Scikit-learn, Keras, Tensorflow, ggplot2, Jupyter Notebook, R Markdown

Operating Systems

Linux, Windows

Document Preparation

LATEX, Word, Excel, Powerpoint

Languages

English (fluent), Farsi (native)

Volunteer Activities

Corporate Relations Coordinator

McMASTER ARTIFICIAL INTELLIGENCE SOCIETY

Hamilton, ON

July 2020 - Present

- Building new relationships with corporations and maintaining current external network

Wellness Peer Educator

STUDENT WELLNESS CENTER, McMASTER UNIVERSITY

Hamilton, ON

Aug. 2020 - Aug. 2021

- Promoting health among students by organizing events and workshops

Volunteer Host

TEDxTEHRAN 2019

Tehran, Iran

Jun. 2019

- Part of a team organizing the most renowned TEDx event in Iran with +2000 attendees
- Practiced Team Work and Effective Communication with an extremely professional team

Event Co-Organizer

BOX STARTUP FACTORY, SHARIF UNIVERSITY OF TECHNOLOGY

Tehran, Iran

Mar. 2019 - May 2019

- Organizing Events with a Business Theme and Preparing Panel Discussions
- Public Relations and Marketing Coordinator

Honors & Awards

2019 **M.Sc. Fellowship and Scholarship**, McMaster University

Hamilton, ON

2014 **Ranked 88**, out of more than 200,000 participants, National University Entrance Exam

Tehran, Iran

2014 **Member**, National Elite Foundation

Tehran, Iran