## Mohammad Reza Samsami

## M.Sc. Student · Information Technology Engineering

MILA - Quebec Al Institute / École de technologie supérieure (ÉTS)

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Research Interests	
(Deep) Reinforcement Learning, Causality, Bayesian Machine Learning	
Education	
Montréal Institute of Learning Algorithms (MILA) / École de technologie supérieure M.Sc. IN INFORMATION TECHNOLOGY ENGINEERING  • Supervisors: Prof. Sheldon Andrews, Prof. Samira Ebrahimi Kahou	Montréal, Canada 2021 - 2023
Sharif University of Technology  B.Sc. IN COMPUTER SCIENCE  • GPA: 18.18 / 20	Tehran, Iran 2016 - 2021
Honors & Grants	
<ul> <li>Silver Medal in Iranian National Olympiad in Informatics (INOI), Young Scholar Clu</li> <li>Granted the Travel and Conference Fund, Association for Computational Linguistics</li> <li>Ranked Top 0.3% in Iran's Universities Entrance Exam,</li> <li>Fellowship, Iranian National Elites Foundation</li> <li>Fellowship, Association for Computational Linguistics</li> </ul>	
Publications	
M. R. Samsami, M. Bahari, S. Salehkaleybar, A. Alahi. 2021. Causal Imitative Models for Autonomou	us Driving. Preprint.
F. Hosseini, H. Fooladi, M. R. Samsami. 2019. Recognizing arrow of time in the short stories. WiNLF	at ACL.
M. R. Samsami, H. Alimadad. 2020. Distributed Deep Reinforcement Learning: An Overview. Prepr	int.
Research Experience	
Ecole polytechnique fédérale de Lausanne (EPFL) SUPERVISORS: DR. SABER SALEHKALEYBAR (SHARIF) AND DR. ALEXANDRE ALAHI (EPFL) • Research Intern, Paper: Causal Imitative Models for Autonomous Driving	2020 - 2021
Sharif University of Technology SUPERVISOR: DR. SABER SALEHKALEYBAR  Research Assistant	2019 - 2021
Shenakht Pajouh	
<ul> <li>PROJECT MANAGER: HOSEIN FOOLADI</li> <li>Researcher, Paper: Recognizing arrow of time in the short stories</li> </ul>	2018 - 2019
Professional and Work Experience	
<ul> <li>2021 Data Scientist, MetoData</li> <li>2020-2021 Scientific Collaborator, University of Essex</li> <li>2017-2020 Researcher and Program Manager, Shenakht Pajouh</li> </ul>	

Teaching Experience \_\_\_\_\_ 2016 - 2019 Algorithm Design and Programming for Olympiad, Instructor Karaj, Iran 2019 - 2021 Linear Programming, Information Theory, Teaching Assistant at Sharif University Tehran, Iran Skills \_\_\_\_\_ Machine Learning and Data Analytics: TensorFlow, Keras, PyTorch. Familiar with Scikit-Learn, Spark, Pandas. Reinforcement Learning Toolkits: OpenAI Gym, PHYRE, CARLA Simulator. Programming Languages: C++, C, Python, Java. Worked with MATLAB, and R. IDE and Editors: ŁTFX, Office, PyCharm, Jupyter, Vim, Code::Blocks, RStudio, Eclipse. Software Engineering: OOP, Functional Programming, Git. Selected Projects and Presentations \_\_\_\_\_ **Crypto-Trading with Deep Reinforcement Learning**, MetoData Company Distributional Reinforcement Learning, Reinforcement Learning Course Project Causal Reinforcement Learning, Causal Inference Course Project An Analysis of Convex Optimization Algorithms, Convex Optimization Course Project Language Modeling on Gutenberg with TensorFlow Keras, Shenakht Pajouh Company Selected Courses Reinforcement Learning, Causal Inference, Probabilistic Graphical Models, Convex Optimization, Information Theory, Game Theory, Statistical Learning, Distributed Systems, Stochastic Processes Languages \_\_\_\_\_ Farsi: Native English: Fluent (TOEFL: 106) Arabic: Familiar French: Familiar Extracurricular Activities \_\_\_\_\_

2020-Pres.	Sharif Causal Al Journal Club, Member	Sharif Uni.
2017-2019	Sharif Cognitive Science Community (Shenasa), Founding Member of the Central Council	Sharif Uni.
2017-2018	Student's Scientific Association of the Department, Member of Central Council	Sharif Uni.
2017	Sharif Data Science Conference, Co-Organizer	Sharif Uni.