# Mohammad Reza Samsami

Senior undergraduate computer science student and research assistant at Sharif University of Technology

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## Education

**Sharif University of Technology /** B.Sc. in Computer Science / GPA: 18.13/20
2016 - Present,    Tehran, Iran

**Shahid Soltani School /** Diploma in Physics and Mathematics / GPA: 19.29/20
2009 - 2016,    Karaj, Iran

## Honors and Awards

**Silver Medal in Iranian National Olympiad in Informatics** 🔗
2015,   Young Scholar Club

**Granted the travel and conference fund to present the *Recognizing arrow of time in the short stories* paper**
2019,   ACL 2019

**Ranked top 0.3% in Iran's universities entrance exam**
2016

**Member of Iranian National Elites Foundation** 🔗
2015 - Present

## Publication

**"Recognizing arrow of time in the short stories"**, F. Hosseini, H. Fooladi, M. R. Samsami, Submitted to *WiNLP at ACL 2019*. 🔗

Recognizing the arrow of time in stories is a challenging task. In this paper, we have collected and curated a novel dataset and developed several models for tackling this challenging task.

## Work Experience

**AI Researcher /** Shenakht Pajouh 🔗
09/2017 – 04/2020,    Sharif University, Tehran, Iran

## Research Experience

**Research Assistant /** Sharif University of Technology 🔗

I work on physical reasoning with deep reinforcement learning, supervised by Dr. Saleh.

## Teaching Experience

**Algorithm Design and Programming Instructor /** National Organization for Development of Exceptional Talents
08/2016 – 08/2019

**Teaching Assistant of Linear Programming /** Sharif University of Technology / Fall 2019

## Skills

**Machine Learning and Data Analysis Frameworks**: TensorFlow, Keras. Familiar with PyTorch, Scikit-Learn, Spark.

**Reinforcement Learning Toolkits**: OpenAI Gym, PHYRE.

**Programming Languages**: C++, C, Python, Java. Worked with MATLAB, and R.

**General Skills:** LaTeX and Office.

## Selected Projects and Researches

**Physical Reasoning with Reinforcement Learning /** A work with Dr. Saleh / Present

**Spam detector for DigiKala (an Iranian e-commerce) comments /** Regression Analysis – Dr. Mirsadeghi / 2019

**OpenAI GPT language modeling on Gutenberg with TensorFlow Keras /** Shenakht Pajouh / 2019 🔗

**Talk on Bayesian Learning and Reasoning /** Sharif University of Technology / 2019

**Distributional Reinforcement Learning /** Reinforcement Learning – Dr. Alishahi / 2019

## Selected Courses and Studies

**Reinforcement Learning /** Dr. Alishahi / Fall 2019 / (19.5/20)

**Natural Language Processing /** Stanford, Dr. Manning, Dr. Socher / Online Course

**Convex Optimization /** Dr. Jafari Siavoshani / Spring 2020 / (N)

**Distributed Systems /** Dr. Saleh / Spring 2020 / (N)

**Statistics and Applications /** Dr. Mirsadeghi / Fall 2018 / (20/20)

**Stochastic Processes /** Dr. Alishahi / Spring 2019 / (18.2/20)

**Information Theory /** Dr. Jafari Siavoshani / Fall 2019 / (17.4/20)

**Game Theory /** Dr. Alishahi / Fall 2018 / (18.9/20)

**Bayesian Methods in Machine Learning /** Washington, Dr. Garnett / I organized a study group in the Sharif University.

**Theory of Computation /** Dr. Alimi / Spring 2019 / (18/20)

**Combinatorial Optimization /** Dr. Foroughmand, Dr. Alimi / Spring 2018 / (20/20)

## Extracurricular Activities

**Co-head of Data Science Event /** Sharif University of Technology 🔗

11/2017 – 12/2017,     Tehran, Iran

The first scientific event on data science at the Sharif University of Technology.

**Member of first Central Council /** Sharif Cognitive Science Community (Shenasa) 🔗

11/2017 – 01/2019,     Tehran, Iran

The first interdisciplinary scientific association in Sharif university on cognitive science.

**Member of Central Council /** Hamband Scientific Association

06/2017 – 06/2018 ,     Tehran, Iran

The scientific association of the computer science and mathematics department of Sharif University.