

Fatemeh Rahimi

ML/NLP Researcher



CAREER OBJECTIVE

I am a ML/NLP Researcher who is passionate about learning new concepts and skills. I am seeking a Data Scientist position (or related) to develop creative solutions for real world problems using traditional and cutting-edge ML solutions. I have experience in NLP, transfer learning, and SOTA Deep learning architectures.



Selected Projects

Using Multi-task Learning to improve Multi-label classifications task

Dalhousie University, Halifax, Canada/ March 2020 - now

- Master's Thesis
- Developing a CLI tool for multi-tasking and multi-head architectures using mostly Python, PyTorch, huggingface libraries, and MLflow.
- Using language pre-trained models such as BERT, BioBERT, and Roberta

Learn Faster and Forget Slower via FAST and Stable Task Adaptation for pre-trained language models

Dalhousie University, Halifax, Canada/ May 2020 - now

- Improving the fine-tuning algorithm of pre-trained language model
- Developing with Python, PyTorch, huggingface libraries, and MLflow.
- Team project

Information Retrieval of covid-19 academic papers using language models

Dalhousie University, Halifax, Canada/ April 2020 - now

- Dataset is from the [TREC-COVID](#) competition
- Working in this project as a Team.
- Using unsupervised fine-tuning and Siamese network to train T5 model for finding related papers to a query.

More projects are listed in the personal website.



EXPERIENCE

Research Assistant (Deep Learning, NLP)

Dalhousie University, Halifax, Canada/ March 2019 - now

- Consistently keeping updated with SOTA research (specially in NLP)
- Worked under supervision of Dr. Milios and Dr. Matwin.
- Worked on both individual and team project.
- Leveraged my knowledge of Python to develop a CLI for multi-task learning

Data Analyst

Ayten Company, Shiraz, Iran / Aug 2018 - Feb 2019

- Learned more about Scrum (Software Development framework) in action
- Part of social network analysis team, mostly worked with python, neo4j, and MongoDB

Linux Instructor

Joyandegane Parto Nor Sadegh, Shiraz, Iran / Jun 2015 - Aug 2016

- First started as an intern and then offered to be the lead of their company's training sessions.
- Couple of items covered in these sessions: Kernel description, Shell scripting, and version control.



CONTACT

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<https://github.com/fatemerhmi>

Personal Website:

<https://fatemerhmi.github.io/>



EDUCATION

M.S. / Computer Science

Dalhousie University, Halifax, Canada.

May 2019 - Dec 2020

GPA: 4.07 (Out of 4.3), via 12 credit

B.S. / Software Engineering

Shiraz University, Shiraz, Iran.

Sep 2013 - Dec 2017

GPA: 16.11(out of 20), via 141 credit



HARD SKILLS

Python, Java, C

Numpy, scikit-learn, pandas,

Mathplotlib

PyTorch, Tensorflow (familiar),

Keras, Hugging Face

Transformers, MLflow

MySQL, Neo4j, MongoDB

Git, Window, Linux



SOFT SKILLS

Self-motivated

Hard worker

Communication skills

Problem Solving

Research