

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 position to develop creative solutions for real world problems using traditional and cutting-edge ML solutions. I have experience in NLP, Deep learning, and transfer learning, while looking forward to learning more from the experts in the field.



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

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

More projects are listed in my [personal website](#).



EXPERIENCE

Research Assistant (Deep Learning, NLP)

Dalhousie University, Halifax, Canada/ March 2019 - now

- Working with SOTA Deep Language models research (Transfer learning in NLP)
- Working under the supervision of Dr. Milios and Dr. Matwin.
- Worked on both individual and team projects.
- Leveraged my knowledge of Python to develop a CLI tool 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

- Promoted as an intern to the company's instructor
- Focused on topics Linux development such as Kernel description, Shell scripting, version control.



CONTACT

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GitHub:

<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, Keras,

Hugging Face Transformers,

MLflow

MySQL, Neo4j, MongoDB

Git, Window, Linux



SOFT SKILLS

Self-motivated

Hard working

Team Player

Problem Solving

Public Speaking

Research oriented

Communication and