

Fatemeh Rahimi

NLP Researcher



CAREER OBJECTIVE

I am an NLP Researcher who has experience with several NLP downstream tasks (Classification, regression, summarization, ranking). I am seeking a position to develop creative solutions for real-world problems using traditional and cutting-edge ML/DL solutions. I have 7+ years of experience in software development and data science projects in total.



Selected Projects

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

Dalhousie University, Halifax, Canada/ March 2020 - now

- Master's Thesis
- Developing a library for multi-tasking architectures using Python, PyTorch, Hugging Face libraries, and MLflow Tracking
- 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, Hugging Face libraries, and MLflow Tracking
- 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 and their details are listed in my [personal website](#).



EXPERIENCE

Intern NLP Researcher

Imagia, Montreal, Canada.

Nov 2020 - now

- Developed traditional and state-of-the-art solutions to solve NLP related problems using pre-trained language models
- Implemented recent research with biomedical domain corpus

Research Assistant (Deep Learning, NLP)

Dalhousie University, Halifax, Canada/ March 2019 - now

- Developing SOTA Deep Language models research (Transfer learning in NLP)
- Working under the supervision of Dr. Milios and Dr. Matwin
- Leveraged my knowledge of Python to develop a CLI tool for multi-task learning, Multi-label classification using existing infrastructures.

Data Analyst

Ayten, Shiraz, Iran/ Aug 2018 - Feb 2019

- Part of social network analysis team, worked with python, neo4j, and MongoDB
- Used Scrum (Software Development framework)



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 - April 2021

GPA: 4.07 (Out of 4.3)

B.S. / Software Engineering

Shiraz University, Shiraz, Iran

Sep 2013 - Feb 2018

GPA: 16.11(out of 20)



HARD SKILLS

Python, Java, C

Numpy, scikit-learn, pandas, Mathplotlib

PyTorch, Tensorflow, Keras, Hugging Face Transformers, MLflow

MySQL, Neo4j, MongoDB

Git, Window, Linux



SOFT

Self-motivated

Hard working

Team Player

Problem-Solving

Public Speaking

Research oriented

Communication skills