Fatemeh Rahimi

Applied NLP Researcher

CAREER OBJECTIVE

I am an NLP Researcher who has experience with several NLP downstream tasks (Classification, regression, summarization, ranking). I have experience for developing 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

MTLV: A library for building deep multi-task learning architectures

Dalhousie University, Halifax, Canada   *March 2020 – Apr 2021*

- Master's Thesis
- Developed a library for multi-tasking architectures using Python, PyTorch, Hugging Face libraries, and MLflow Tracking
- Using BERT-family language models as the shared part of the architectures

Learn Faster and Forget Slower the fine-tuning of pre-trained language models

Dalhousie University, Halifax, Canada   *May 2020 – Jan 2021*

- 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 – Jan 2021*

- Using unsupervised fine-tunning 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

Applied Research Scientist (NLP)

Imagia, Montreal, Canada.   *May 2020 – now*

- Member of Open Innovation team
- Focuses on bringing cutting-edge NLP research to the company projects

Applied Research Scientist (NLP) - Intern

Imagia, Montreal, Canada.   *Nov 2020 – Apr 2021*

- Developed traditional and state-of-the-art solutions to solve NLP related problems using pre-trained language models
- Apply cutting edge research on biomedical domain corpus

Research Assistant (Deep Learning, NLP)

Dalhousie University, Halifax, Canada.   *Mar 2019 – Apr 2021*

- 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.

CONTACT

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https://linkedin.com/in/fatemehrahimi

GitHub:
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 SKILLS

Self-motivated
Hard working
Team Player
Problem-Solving
Public Speaking
Research oriented
Communication skills