Ahmad Pourihosseini

[Seyed Ahmad Abdollahpouri Hosseini]

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OBJECTIVE

Hardworking graduate student with a superb academic record and strong theoretical and practical background in machine learning gained through various machine learning courses, internships, and research assistantships. Looking for a full-time machine learning internship where I can apply my academic training and professional experience in the form of an applied research project.

EDUCATION

MSc in Applied Computing Sep. 2021 – Jun. 2023 (expected)
University of Toronto, Department of Computer Science

- Vector Scholarship in Artificial Intelligence Recipient, Vector Institute, 2021
- Courses (ongoing): Introduction to Machine Learning, Computational Linguistics

BSc in Computer Engineering – Software, GPA 3.97 Sep. 2015 – Feb. 2020
University of Tehran, Department of Software Engineering

- Ranked 1st among CE students
- Honourable Student Award, Supporter Foundation of the University of Tehran, 2019
- Faculty of Engineering Award (FOE), University of Tehran, 2016, 2017, and 2018
- Relevant courses: Artificial Intelligence, Pattern Recognition (graduate), Neural Networks (graduate)

EXPERIENCE

Machine Learning and Computational Modeling Lab at the University of Tehran Feb. 2019 – Feb 2020
Research Assistant

- Worked in collaboration with a graduate student on improving an adversarial perturbation generator to increase adversarial robustness of models trained using those perturbations
- Re-implemented the original paper's code in PyTorch to reproduce the results.
- Increased the model's output diversity on three different Convolutional Neural Network (CNN) architectures using the fast.ai deep learning library.

Sensifai Jun. 2019 – Sep. 2019
Machine Learning Engineer Intern

- Set up a real-time object detection pipeline on a piece of specialized hardware called Coral Dev Board using Tensorflow, which helped me better understand the practical aspects of machine learning in real-world settings.

Boghche Jun. 2017 – Sep. 2017
Back-end Developer Intern

- Developed a telegram bot that received and registered customer order in the central system using Node.js; this software surpassed the existing smartphone applications the startup already had in terms of customer usage.

RELEVANT PROJECTS AND EXTRACURRICULAR ACTIVITIES

Auto-Shakespeare – Course Project Fall 2019
An RNN with a character-level language model that generates text resembling Shakespeare's writing style using PyTorch - see repository

Deep Learning Specialization by DeepLearning.AI – Coursera Jul. 2020 – Dec. 2020
Includes courses on Sequence Models, Convolutional Neural Networks, hyperparameter tuning techniques, and structuring machine learning projects - see certificate

TECHNICAL SKILLS

- Machine Learning: PyTorch, Fast.ai, Scikit-learn, Tensorflow, Matplotlib, Jupyter Notebooks, NLTK
- Programming Languages: Python, Javascript, C/C++, Java