Rui Li

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Education

Carleton University, Ottawa, Canada — Sept. 2018 – Now

M.C.S with Specialization in Data Science, expected graduate in May 2020
Relevant Coursework: Machine Learning, Deep Learning and Reinforcement Learning, Data Science Seminar, Natural Language Processing.
GPA:11.4/12

Carleton University, Ottawa, Canada — 2014 – 2018

B.C.S. Honours with Distinction

Academic Experience

Carleton University, Ottawa, Canada — Sept. 2018 – Now

Research Assistant Supervisor: Tony White

Research Interest: Graph convolutional networks

Carleton University, Ottawa, Canada — Jul. 2016 – Now

Teaching Assistant

Courses that I have been a Teaching Assistant for include: Introduction to Computer Science II, Abstract Data Types and Algorithms, Discrete Structures II, Neural Networks, and Information Retrieval and Recommender Systems.

Technical Skills

- Programming Language: Python == Java > C++ > Javascript > Bash
- Library: Tensorflow, Numpy, Pandas, Sklearn
- Software: Git, Linux(Ubuntu), LaTeX, Eclipse

Other Experience

Espial Group, Ottawa — Jan. 2017 – Aug. 2017

Coop Software Developer

Assisted in porting existing code and automated the nightly build deployment process.

Corsa Technology, Ottawa — Sept. 2016 – Dec. 2016

Coop Software Developer

Developed Python scripts to automate sanity tests of the SDN switch products.

Engineering Project

Facial Age and Gender Estimation — Mar. 2018

Designed, built and trained the convolutional neural network model to classify facial images

Simple Search Engine — Feb. 2018

In this project, I developed a web crawler and a document analyzer to parse and rate web content. The page rank algorithm is implemented to prevent spam. Services are provided to client through RESTful APIs.

Android Group Chat App — Nov. 2017

In this project, an android group chat app is implemented which allows users to chat in groups. Image and text messages are supported by this app. The server is setup using the Firebase technology.

Research Project

Connection between Adversarial Training and Regularization Dec. 2018

In this project, we explored adversarial training from the generalization perspective to find the connection between adversarial training and regularization.

A More Human Understandable Approach to Word Embeddings Apr. 2019

The purpose of this project is to explore options for addressing the human interpretability problem of existing word embedding algorithms. Our proposal is to address this issue by adding human input to the word embedding training process.

Honors and Awards

Departmental Admission Scholarship Sept. 2018

Miscellaneous

- Personal website: https://leereborn.github.io/rui-li/
- Volunteer and Exhibitor of Canada-Wide Science Fair 2018