Trinh Hoang Trieu

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Education

Ho Chi Minh University of Science Vietnam National University (HCMUS-VNU)	Falculty of Information Technology	2013-present

Top Skills

Machine Learning, Deep Learning	Python, R	Tensorflow

Research Internships

May 2016 – July 2016	Misfit Wearables	Deep Learning – Computer Vision
January 2016 – March 2016	Japan Advanced Institute of Science and Technology	Deep Learning – Natural Language Processing

- Implement several new models LSTM, GRU, CNN-LSTM on top of a word embedding.
- Improve baseline for Question Classification on TREC and Vietnamese TREC dataset.
- Open-sourced repository.

June 2015 - September 2015	Ecole Polytechnique de Montreal	Educational Data Mining

- R package: edmsyn – Educational Data Synthesizer.
- Automate learning parameters and generating new data.
- Open-sourced repository, package vignettes.

Projects

2016	Nyose Time Manager	Open-sourced repository

- Automatically retrieve and parse deadlines from student moodle.
- Manage TODOs, send reminders and communicate through Gmail API.

2016	Last Layer of DeepNets (DeepSVM)	Open-sourced repository

- Modify the last layer of deep classifier.
- Replace the usual soft-max with soft-margin Support Vector Machine, One-Vs-All scheme.
- A write-up on Compatibility of Support Vector Machine with Deep Feature Extractor.

2016	YOLO, real-time object detection	Open-sourced repository

- Implement You Only Look Once framework in Tensorflow, allow training new model and new data.
- Allow exporting a protobuf file executable on mobile devices.
- Selected as an awesome-tensorflow project.

Relevant Courses

Coursera	Exploratory Data Analysis	GHAY8ZY3RM
Coursera	Developing Data Products	PJ5NTLTJDN
HCMUS-VNU	Statistics for Research	

Honor and Awards

2016	Japan Student Services Organization (JASSO) Scholarship
2015	Mitacs Globalink Research Scholarship
2012	Bronze medal – Southern Vietnam Mathematics Olympiad
2008	First prize – provincial competition of Computer Science Honorable Mentions – national competition