

# Trinh Hoang Trieu



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## Education

Ho Chi Minh University of Science  
Vietnam National University  
(HCMUS - VNU)

Advanced Program in Computer Science  
Faculty of Information Technology  
(APCS - FIT)

2013 – present

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## Top Skills

Machine Learning, Deep Learning

Python, R, C++

Tensorflow

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## Research Internships

May 2016 – July 2016

Misfit Wearables Inc.

Deep Learning  
Computer Vision – Object Detection

January 2016 – March 2016

Japan Advanced Institute of  
Science and Technology

Deep Learning  
Natural Language Processing

- Implement several models: LSTM, GRU, CNN-LSTM on top of a word embedding.
- Improved CNN baseline for Question Classification on TREC and Vietnamese TREC dataset.
- [Open-sourced repository](#).

June 2015 – September 2015

Ecole Polytechnique de Montreal

Educational Data Mining

- Building the R package: edmsyn – Educational Data Synthesizer.
- Automate learning parameters and generating new data with 11 different models.
- [Open-sourced repository](#), [package vignettes](#).

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## 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 with new data.
- Allow exporting an optimal-sized graph-protobuf that is executable on mobile devices.
- Selected as an [awesome-tensorflow](#) project.

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## Relevant Courses

Coursera

Exploratory Data Analysis

Licensed: [GHAY8ZY3RM](#)

Coursera

Developing Data Products

Licensed: [PJ5NTLTJDN](#)

HCMUS-VNU

Statistics for Research

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## Honor and Awards

2016

Japan Student Services Organization (JASSO) Scholarship

2015

Mitacs Globalink Research Scholarship

2014

Full Scholarship for First Ranked Student, awarded by APCS - FIT

2012

Bronze medal – Southern Vietnam Mathematics Olympiad

2008

First prize – provincial competition of Computer Science  
Honorable Mentions – national competition

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## Other experiences

2015

International Student Festival in Trondheim – on Corruption

2015

International Student Week in Ilmenau – on Youth Responsibility

2016

Asian Undergraduate Summit – on Smart Cities