

Trinh Hoang Trieu

• [linkedin.com/in/trinhhtrieu](https://www.linkedin.com/in/trinhhtrieu)

• [thtrieu.github.io](https://github.com/thtrieu)

• thtrieu@apcs.vn

Employment

July 2017 – July 2018	Google Brain (Resident)	Machine Learning/Deep Learning
-----------------------	-------------------------	--------------------------------

Research/Development Internships

May 2016 – July 2016	Misfit Wearables Inc.	Deep Learning for Computer Vision
<ul style="list-style-type: none">Used Tensorflow, bring object detection and classification models onto mobile devices.		
January 2016 – March 2016	Japan Advanced Institute of Science and Technology	Deep Learning for Natural Language Processing
<ul style="list-style-type: none">Used Theano, Tensorflow, build CNN/RNN models to perform Question Classification with word vectors.Improved Convolutional baseline on TRECVn dataset (91.8% to 94.2% accuracy).		
June 2015 – September 2015	Ecole Polytechnique de Montreal	Educational Data Mining (EDM)
<ul style="list-style-type: none">Open sourced <u>R package</u> for educational data synthesis and automate learning with 11 statistical models.		

Open-sourced Projects

August 2016 – present (on going)	<u>Darkflow</u> (★1.7k+)	Python, Tensorflow
<ul style="list-style-type: none">A Tensorflow port of YOLO (<u>Darknet</u>) framework: Real time object detection and classification.Used in <u>Tensorflow's Android demo</u>, <u>Udacity's self-driving car</u> course.		
January 2017 – April 2017	<u>Essence</u>	C, Numpy
<ul style="list-style-type: none">Directed Acyclic computational Graph constructor built from scratch, with auto differentiation.Demos: CNNs with BatchNorm, DQN for inverted pendulum control, Neural Turing Machine. Optimizers: SGD, RMSProp and ADaptive Momentum.Selected coding project on <u>A Wild Week in A.I. newsletter (issue 35)</u>.		

Honor and Awards

2016	Japan Student Services Organization (JASSO) Scholarship for Research student, AUS 2016 Vietnamese Delegate.
2015	Mitacs Globalink Research Scholarship, AmCham Honorable Mentions, ISFiT and ISWI Vietnamese Delegate.
2014	Full Scholarship for First Ranked Student with Highest GPA of 2013 – 2014 .
2013	Full Scholarship, University Entrance Valedictorian .
2012	Southern Vietnam Mathematics Olympiad Medalist