

Trieu H. Trinh

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[Google scholar](#)

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Publication

1. **Trinh, Trieu H.**, Andrew M. Dai, Thang Luong, and Quoc V. Le. "*Learning longer-term dependencies in RNNs with auxiliary losses*". International Conference on Machine Learning (**ICML 2018**).
2. **Trinh, Trieu H.**, and Quoc V. Le. "*A Simple Method for Commonsense Reasoning*." *arXiv:1806.02847* (2018).
Open-sourced to [tensorflow/models](#)
3. **Trinh, Trieu H.**, Luong Minh-Thang, and Quoc V. Le "Self-supervised Pretraining for Image Embedding." (2019).

Work Experience

July 2017 - present

Google Brain (Mountain View, CA)

Work and collaborate on research projects in the field of Deep Learning, publish at top-tier scientific venues. Research mentor: [Quoc V. Le](#)

Open-source projects

[darkflow](#)

★ 5K ♪ 1.7K

The 7th **most popular Machine Learning project** on **Github (2018)**

Tensorflow port of *You Only Look Once*: **real time object detection and classification**.

Used in: [Tensorflow's Android](#) demo, [Udacity's self-driving car](#) online learning course.

[essence](#)

★ 63 ♪ 16

A computational graph constructor with **Autodiff**, built on **C and Numpy**.

Running demos: Neural Turing Machine, Visual Question Answering, etc.

Featured in: [A Wild Week in A.I. newsletter](#) (issue 35).

Invited Talks

- [Guest Seminar](#) at **Stanford NLP research group**, August 16th 2018.
- Guest talk at [OpenAI](#), July 2018.
- Guest talk at [Montreal Institute for Learning Algorithm \(MILA\)](#), March 2019
- Guest seminar at **Stanford WHIL Lab**, June 2019.

Research Internships

Summer 2016

Misfit Wearables Inc.

Tensorflow, Objective C

- Build **real-time face recognition, object detection and classification** on mobile device.

Winter 2016

Japan Advanced Institute of Science and Technology

Theano, Tensorflow

- Experiment using **CNN/RNN for Question Classification** on TREC dataset.

Summer 2015

University of Montreal

R

- Build and open sourced an **R package** for educational data synthesis, with 11 built-in statistical models.