# Ethan Perez | CV

✉ ethanperez18@gmail.com   •   🌐 ethanperez.net   •   ⌨ ethanjperez

## Education

| | |
|---|---|
| **New York University** | **Ph.D. Computer Science** |
| *Advisors: Sam Bowman, Kyunghyun Cho, Douwe Kiela* | *August 2018–* |
| **Rice University** | **B.A. Computer Science** |
| *GPA: 3.98. Distinction in Research and Creative Work.* | *August 2014–May 2018* |

## Research & Industry Experience

| | |
|---|---|
| **Facebook AI Research: Long-form Question-Answering** | |
| *Research with Michael Auli and Jason Weston* | *Summer 2018* |
| **University of Montreal: Visual Question-Answering and RL** | |
| *Research with Aaron Courville and Hugo Larochelle* | *2017–2018* |
| **Rice University: Semi-Supervised Image Classification** | |
| *Research with Ankit Patel and Richard Baraniuk* | *2016–2017* |
| **Uber: Fraud Detection** | |
| *Internship via KPCB Fellowship* | *Summer 2016* |
| **Google: Maps** | |
| *Internship* | *Summer 2015* |

## Journal and Conference Publications

"Visual Reasoning with Multi-hop Feature Modulation." *ECCV 2018*.
Florian Strub, Mathieu Seurin, **Ethan Perez**, Harm de Vries, Jérémie Mary,
Philippe Preux, Aaron Courville, Olivier Pietquin.

"Feature-wise Transformations." *Distill 2018*.
Vincent Dumoulin, **Ethan Perez**, Nathan Schucher, Florian Strub,
Harm de Vries, Aaron Courville, Yoshua Bengio.

"FiLM: Visual Reasoning with a General Conditioning Layer." *AAAI 2018*.
**Ethan Perez**, Florian Strub, Harm de Vries, Vincent Dumoulin, Aaron Courville.

## Workshop Papers and Preprints

"HoME: a Household Multimodal Environment."
*NIPS 2017 Workshop on Visually-Grounded Interaction and Language Workshop.*
Simon Brodeur, **Ethan Perez***, Ankesh Anand*, Florian Golemo*, Luca Celotti,
Florian Strub, Jean Rouat, Hugo Larochelle, Aaron Courville.

"Learning Visual Reasoning Without Strong Priors."
*ICML 2017 Workshop on Machine Learning for Speech and Language Processing.*
**Ethan Perez**, Harm de Vries, Florian Strub, Vincent Dumoulin, Aaron Courville.

"Semi-Supervised Learning with the Deep Rendering Mixture Model." *arXiv 2016.*
Tan Nguyen, Wanjia Liu, **Ethan Perez**, Richard G. Baraniuk, Ankit B. Patel.

## Invited Talks

"FiLM: Visual Reasoning with a General Conditioning Layer."
Montreal AI Symposium, September 2017.

"Learning Visual Reasoning Without Strong Priors."
Deep Language Workshop, University of Montreal, September 2017.

## Awards

**NSF Graduate Research Fellowship Winner**, *2018*
One of 2,000 winners selected (out of 12,000).

**Hertz Fellowship Finalist**, *2018*
One of 40 finalists selected (out of 700).

**Rice Engineering Department Outstanding Senior Award**, *2018*
Awarded to one senior in the Rice Engineering department.

**Rice Computer Science Junior Merit Award**, *2017*
Awarded to one junior in CS.

**Kleiner Perkins Caufield and Byers Fellowship**, *2016*
One of 54 KPCB Engineering Fellows selected (out of 2,500).

**Chevron Computer Science Scholarship Winner**, *2015*
Awarded to one freshman in CS.

## Advising

Ananya Jha *(NYU MS, Unsupervised NLP, with Rob Fergus and Sam Bowman)*
Diego Gonzalez *(NYU BS, Unsupervised NLP, with Rob Fergus and Sam Bowman)*

## Teaching

**NYU: Guest Lecture for Computer Vision**: "RNNs and Image Captioning," *Fall 2018*
**Rice University: Teaching Assistant for Computational Thinking**, *Fall 2016*
**Rice University: Teaching Assistant for Algorithms and Discrete Math**, *Spring 2016*
**St. Mark's Catholic School: MathCounts Program Founder & Coach**, *2012–2014*

## Activities & Invited Events

**NIPS Visually-Grounded Interaction and Language Workshop Organizer**, *2018*
**EMNLP Reviewer**, *2018*
**Deep Reinforcement Learning Summer School**, UC Berkeley, *2017*
**Deep Learning and Reinforcement Learning Summer Schools**, University of Montreal, *2017*
**Workshop on Machine Learning and AI Safety**, Machine Intelligence Research Institute, *2017*