

EVAN RACAH

ejracah@gmail.com ◊ eracah.github.io ◊ github.com/eracah ◊
San Francisco, CA, USA

EDUCATION

- Mila, University of Montreal** 2017-2019
MSc. in Computer Science
Thesis Topic: Self-supervised computer vision in reinforcement learning environments
- University of California, Davis** 2009-2014
BS with Honors in Engineering (MechE)
Minor: Computer Science

EXPERIENCE

- Software Engineer**, Waymo, Applied Research Team Aug 2020-Present
- Extended autonomous driving simulator to support multi-model, multi-agent training and evaluation.
 - Designed and implemented metrics and visualization tools for measuring autonomous driving.
- Research Assistant**, Mila, Montreal, QC Jan-June 2020
- Devised new unsupervised object representation model leading to workshop submission
 - Aided creation of model-based reinforcement learning metric leading to NeurIPS submission
- Research Engineer**, Lawrence Berkeley National Lab, NERSC Aug 2015-Jul 2017
- Developed computer vision model to predict extreme weather events from high resolution climate simulation data resulting in our research group's first NeurIPS paper
 - Designed the climate neural network model that was scaled up on one of the world largest supercomputers leading to an IEEE Supercomputing publication
- Research Intern**, Lawrence Berkeley National Lab Jan-Aug 2015
- Built and analyzed performance of multi-node implementations of random forests and randomized linear algebra algorithms on scientific data
- Undergraduate Researcher**, CS Department, UC Davis Mar 2014-Sept 2014
- Coded up machine learning framework for model selection of protein folding prediction models

SELECTED CONFERENCE PUBLICATIONS

Unsupervised State Representation Learning in Atari
[E Racah](#)*, [A Anand](#)*, [S Ozair](#)*, [Y Bengio](#), [MA Côté](#), [RD Hjelm](#)
NeurIPS, 2019; **equal contribution*

ExtremeWeather: A large-scale climate dataset for semi-supervised detection, localization, and understanding of extreme weather events.
[E Racah](#), [C Beckham](#), [T Maharaj](#), [SE Kahou](#), [M Prabhat](#), [C Pal](#).
NeurIPS, 2017

SKILLS

Languages: Python, C/C++, Bash
Tools: NumPy, scikit-learn, matplotlib, slurm
Frameworks: PyTorch, TensorFlow, Keras, Caffe, Spark, Matlab