

Piotr Teterwak

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EDUCATION

- **Boston University** Boston, MA
Ph.D. in Computer Science *Sep. 2020-*
 - **Advisors:** Prof. Kate Saenko and Prof. Bryan Plummer
 - **Awards:** Dean's Fellowship
- **Dartmouth College** Hanover, NH
Bachelor of Arts in Computer Science; High Honors; CS GPA 3.83 *Sep. 2010 - June 2014*
 - **Senior Thesis:** [Shared Roots: Regularizing Deep Neural Networks through Multitask Learning](#)
 - **Awards:** 2014 John G. Kemeny Computing Prize, Second Place, Innovation category, for Senior Thesis.

PUBLICATIONS AND PREPRINTS

- **[Tune it the Right Way: Unsupervised Validation of Domain Adaptation via Soft Neighborhood Density](#):** Kuniaki Saito, Donghyun Kim, **Piotr Teterwak**, Stan Sclaroff, Trevor Darrell, Kate Saenko. ICCV 2021.
- **[VisDA-2021 Competition Universal Domain Adaptation to Improve Performance on Out-of-Distribution Data](#):** Dina Bashkirova*, Dan Hendrycks*, Dinghyun Kim*, Samarth Mishra*, Kate Saenko*, Kuniaki Saito*, **Piotr Teterwak*** (equal contribution), Ben Usman*. NeurIPS 2021 Competition Track.
- **[Understanding Invariance via Feedforward Inversion of Discriminatively Trained Classifiers](#):** **Piotr Teterwak**, Chiyuan Zhang, Dilip Krishnan, Michael C. Mozer. ICML 2021.
- **[OCONet: Image Extrapolation by Object Completion](#):** Richard S. Bowen, Huiwen Chang, Charles Herrmann, **Piotr Teterwak**, Ce Liu, Ramin Zabih. CVPR 2021.
- **[Supervised Contrastive Learning](#):** Prannay Khosla*, **Piotr Teterwak*** (equal contribution), Chen Wang, Aaron Sarna, Yonglong Tian, Phillip Isola, Aaron Maschinot, Ce Liu, and Dilip Krishnan. NeurIPS 2020.
- **[Boundless: Generative Adversarial networks for image extension](#):** **Piotr Teterwak**, Aaron Sarna, Dilip Krishnan, Aaron Maschinot, David Belanger, Ce Liu, and William T. Freeman. ICCV 2019.

EXPERIENCE

- **Google Research** Cambridge, MA
AI Resident *June 2018 - August 2020*
 - **Mentors:** Dr. Ce Liu, Dr. Dilip Krishnan, Professor Mike Mozer.
 - **Generative Modelling:** Conditional GAN for image extrapolation.
 - **Representation Learning:** Extended contrastive learning to the supervised case. Explored what is encoded in representations of classification models by inversion.
- **Apple** Seattle, WA
Machine Learning Engineer *July 2016 - June 2018*
 - **Distributed Deep Learning:** Worked on a team implementing a distributed training algorithms package for deep neural networks; optimizing for performance and usability.
- **Turi, Inc. (Formerly Dato, Inc. and GraphLab, Inc.; Acquired by Apple)** Seattle, WA
Machine Learning Engineer *July 2014 - July 2016*
 - **Toolkits Team:** Implemented a variety of machine learning modules in the GraphLab Create Python package, including Bayesian Changepoint Detection and Feature Engineering transforms.
 - **Education and advocacy:** Wrote technical blog posts, with an emphasis on accessibility; including [Deep Learning: Doubly Easy and Doubly Powerful with GraphLab Create](#). Also gave tutorials on Deep Learning concepts in conferences such as Strata, Dato Data Science Summit, and the [NVidia GTC Conference](#).

SKILLS

- **Computer Languages, Libraries, and Frameworks:** Python(Primary), C/C++(Secondary), TensorFlow, NumPy, PyTorch
- **Spoken Languages:** Fluent in Polish and English
- **Other:** Backcountry Skiing, Mountain Biking, General Adventuring