

Piotr Teterwak

Google Scholar

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EDUCATION

- **Boston University** Boston, MA
Ph.D. in Computer Science *Sep. 2020- 2026 (Expected)*
 - **Advisors:** Prof. Kate Saenko and Prof. Bryan Plummer
 - **Awards:** Dean's Fellowship, NSF GRFP Honorable Mention
- **Dartmouth College** Hanover, NH
Bachelor of Arts in Computer Science; High Honors; CS GPA 3.83 *Sep. 2010 - June 2014*

SELECTED PUBLICATIONS

- **Do Domain Generalization methods generalize beyond their pretraining?:** Piotr Teterwak, Kuniaki Saito, Theodoros Tsiligkardis, Bryan A. Plummer, Kate Saenko. Under Submission, Neurips Datasets and Benchmarks 2024.
- **CLAMP: Contrastive LANGUAGE Model Prompt-tuning:** Piotr Teterwak, Ximeng Sun, Bryan A. Plummer, Kate Saenko, Ser-Nam Lim. arXiv 2023.
- **ERM++: An Improved Baseline for Domain Generalization:** Piotr Teterwak, Kuniaki Saito, Theodoros Tsiligkardis, Bryan A. Plummer, Kate Saenko. ICML 2023 Workshops, SCIS. arXiv.
- **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:** Piotr Teterwak* (equal contribution), Prannay Khosla*, 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

- **Meta AI** Cambridge, MA
Research Intern *June 2023-November 2023*
 - **Mentor:** Professor Ser-Nam Lim
 - **LLMs for Improving Zero-shot Visual Classification:** Improved CLIP contrastive learning with LLM's.
- **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:** Part of team implementing a distributed training algorithm software.
- **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 Changeoint Detection and Feature Engineering transforms.
 - **Education and advocacy:** Wrote technical blog posts, with focus on accessibility. Gave conference tutorial talks.

SERVICE ACTIVITIES

- **Reviewer:** CVPR 2024, ECCV 2024, ICML 2024, NeurIPS 2023, NeurIPS 2024, WACV 2023