

DAVE EPSTEIN

dave@eecs.berkeley.edu

Education

University of California, Berkeley, *Ph.D. in Computer Science*
Advisor: Prof. Alexei Efros, GPA: 4.00

Berkeley, CA
8/2020 - 5/2024

Columbia University, *B.S. in Computer Science*
Advisor: Prof. Carl Vondrick, GPA: 4.11, summa cum laude

New York, NY
9/2016 - 5/2020

Publications

D. Epstein, B. Poole, B. Mildenhall, A. Efros, A. Holynski. “Disentangled 3D Scene Generation with Layout Learning.” ICML 2024.

D. Epstein, A. Jabri, B. Poole, A. Efros, A. Holynski. “Diffusion Self-Guidance for Controllable Image Generation.” NeurIPS 2023.

D. Epstein, T. Park, R. Zhang, E. Shechtman, A. Efros. “BlobGAN: Spatially Disentangled Scene Representations.” ECCV 2022.

D. Surís, **D. Epstein**, C. Vondrick. “Globetrotter: Unsupervised Multilingual Translation from Visual Alignment.” CVPR 2022 (oral).

D. Epstein, J. Wu, C. Schmid, C. Sun. “Learning Temporal Dynamics from Cycles in Narrated Video.” ICCV 2021.

D. Epstein, C. Vondrick. “Learning Goals from Failure.” CVPR 2021.

D. Surís*, **D. Epstein***, H. Ji, S.F. Chang, C. Vondrick. “Learning to Learn Words from Visual Scenes.” ECCV 2020.

D. Epstein, B. Chen, C. Vondrick. “Oops! Predicting Unintentional Action in Video.” CVPR 2020.

D. She, K. Pei, **D. Epstein**, J. Yang, B. Ray, S. Jana. “NEUZZ: efficient fuzzing with neural program learning.” S&P Oakland 2019.

Experience

Anthropic
Member of Technical Staff

6/2024-
New York, NY

Berkeley Artificial Intelligence Research, with Alexei A. Efros
Graduate Student Researcher

8/2020 - 5/2024
Berkeley, CA

Google Research, with Ben Poole and Aleksander Holynski
Student Researcher

10/2022 - 3/2024
San Francisco, CA

Adobe Research, with Taesung Park and Richard Zhang
Research Intern

6/2021 - 9/2022
San Francisco, CA

Google Research, with Chen Sun, Jiajun Wu, and Cordelia Schmid
Research Intern

5/2020 - 12/2020
Mountain View, CA

Computer Vision Lab at Columbia University, with Carl Vondrick
Undergraduate Research Assistant

9/2018 - 5/2020
New York, NY

Awards and Honors

Paul and Daisy Soros Fellowship	4/2022
Theodore R. Bashkow Award (for undergraduate research), Columbia	5/2020
Russell C. Mills Award (for undergraduate coursework), nominated, Columbia	
Andrew P. Kosoresow Award (for undergraduate teaching), nominated, Columbia	
CRA Outstanding Undergraduate Researcher , honorable mention	12/2019
Junior Tau Beta Pi , Columbia	3/2019

Teaching Experience

Columbia University Department of Computer Science	9/2017 - 8/2019
Head Teaching Assistant	New York, NY
Data Structures and Algorithms , Fall 2017, Spring 2018, Fall 2018, Spring 2019, Summer 2019	
Advanced Computer Vision , Spring 2019	

Professional Service

Reviewer, CVPR 2020, NeurIPS 2020, CVPR 2021, CVPR 2022, ECCV 2022