

Apoorv Khandelwal

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Education

Brown University, Providence, RI Fall 2022 —
Ph.D. in Computer Science, Advisors: Chen Sun & Ellie Pavlick
Presidential Fellowship (3 years funding)

Cornell University, Ithaca, NY 2017 to 2020
B.S. in Computer Science with Honors, College of Engineering (May 2020)
Rawlings Cornell Presidential Research Scholar

Experience

Allen Institute for Artificial Intelligence 2020 to 2022
Predoctoral Young Investigator on PRIOR

Cornell Tech 2018 to 2020
Undergraduate Researcher w/ Noah Snaveley & Hadar Averbuch-Elor

Matic Robotics Summer 2020
Research Intern

Facebook Summer 2019
Software Engineering Intern on Video Understanding Team



Papers

- [\\$100K or 100 Days: Trade-offs when Pre-Training with Academic Resources](#)
Apoorv Khandelwal, Tian Yun, Nihal V. Nayak, Jack Merullo, Stephen H. Bach, Chen Sun, Ellie Pavlick
Preprint (2024)
- [Analyzing Modular Approaches for Visual Question Decomposition](#)
Apoorv Khandelwal, Ellie Pavlick, Chen Sun
EMNLP 2023
- [Altamira Comet proof-of-concept](#)
Greg Pass, Dan Goods, Pilar Fatás, **Apoorv Khandelwal**, Michael Skvarla, Noriaki Nakayamada, Karen Meech, Sonia Hernandez, Evan Hilgemann
Acta Astronautica, Volume 210 (2023)
- [What's in a Decade? Transforming Faces Across Time](#)
Eric Ming Chen, Jin Sun, **Apoorv Khandelwal**, Dani Lischinski, Noah Snaveley, Hadar Averbuch-Elor
Eurographics 2023

5. A-OKVQA: A Benchmark for Visual Question Answering using World Knowledge
Dustin Schwenk, **Apoorv Khandelwal**, Christopher Clark, Kenneth Marino, Roozbeh Mottaghi
ECCV 2022
6. Simple but Effective: CLIP Embeddings for Embodied AI
Apoorv Khandelwal*, Luca Weihs*, Roozbeh Mottaghi, Aniruddha Kembhavi
CVPR 2022
7. Who's Waldo? Linking People Across Text and Images
Claire Yuqing Cui*, **Apoorv Khandelwal***, Yoav Artzi, Noah Snavely, Hadar Averbuch-Elor
ICCV 2021 (oral presentation)
8. An Ethical Highlighter for People-Centric Dataset Creation
Margot Hanley, **Apoorv Khandelwal**, Hadar Averbuch-Elor, Noah Snavely, Helen Nissenbaum
Navigating the Broader Impacts of AI Research Workshop at NeurIPS 2020

* Equal contribution

Programming Projects

1.  [apoorvkh/torchrunx](#) 2025
A Python package for running PyTorch functions across multiple GPUs and machines
Built with: Peter Curtin
2.  [apoorvkh/cvpr-latex-template](#) 2021
A quickstart LaTeX template for CVPR and ICCV submissions

Press

1. AI's computing gap: academics lack access to powerful chips needed for research 2024
Nature

Professional Activities

Students Advised (Research)

Harys Dalvi, Brown '25
Jessica Li, Brown '23

Students Advised (Programming)

Chengfan Li, Brown Sc.M. '25
Peter Curtin, Brown '25
Justin Cheng, Brown '25
Valentina Lin, Brown '25
Naphat Permpredanun, Brown '24

Invited Talks

Cohere for AI: CV Community Talk	Modular Vision (Pub. 2)	March 2024
Google Research	A-OKVQA (Pub. 5)	July 2022

Conference Reviewing

ACL ARR: *June 2024**, October 2024

CVPR: **2023****, 2024*

ICCV: 2023

ICLR: 2025

NeurIPS: 2023

* *Reduced load* ** **Outstanding reviewer**

Organizing

New England NLP

Embodied AI Workshop (Challenge Organizer)

April 2024

CVPR 2021

Teaching Assistant, Cornell University

CS 4670 — Computer Vision

CS 4787 — Principles of Large-Scale Machine Learning

Spring 2020

Spring 2019