

AARON GOKASLAN

<http://skylion007.github.io>

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EDUCATION

Cornell University

New York, NY

PhD. Student Cornell University (2021 - May 2025 exp.)

Thesis focused on Large Language Models, Diffusion, and Discrete Diffusion. Contributed to frontier level open source models like OpenGPT, BLOOM, DBRX and PlantCAD. Co invented discrete diffusion. Also won awards for open source contributions from Linux & Mozilla Foundations. Maintainer for PyTorch

Brown University

Providence, RI

MSc. Computer Science (2019)

BSc. Computer Science (2018) **with Honors.**

Sigma Xi | Senior Prize

ACCOLADES

PyTorch Rockturner Award

October 2025

- Awarded for fixing and flagging issues in the PyTorch codebase, especially related to large scale training.

PyTorch Reviewer Powerhouse - Excellence in Code Review

October 2024

- See October 2023 Award

Mozilla - Rise25 - 2024 Awardee

August 2024

- <https://blog.mozilla.org/en/mozilla/mozilla-announces-finalists-for-the-2nd-annual-rise25-awards/>

PyTorch Docathon - Honorable Mention

November 2023

- Press Article <https://pytorch.org/blog/pytorch-docathon-h2-2023-wrap/>

PyTorch Reviewer Powerhouse - Excellence in Code Review

October 2023

- Received a PyTorch Community Contribution Award from the Linux Foundation
- Press Article: <https://pytorch.org/ecosystem/contributor-awards-2023>

2nd Best Overall - Brown CS Undergrad Research Symposium

May 2018

- Press Article <https://cs.brown.edu/news/2018/05/22/brown-cs-announces-winners-fourth-annual-undergrad-research-symposium/>

Best Use of NASDAQ API: HackMIT Hackathon

September 2015

- The app converted n-dimensional arrays into sound waves using the properties of sound such as pitch, amplitude, volume and other characteristics in a VR environment.
- Presented the finished product to executives at NASDAQ in New York.
- Featured on a Times Square Billboard as a result. | Press Article: <https://blog.cs.brown.edu/2015/10/15/brown-cs-hackmit-winners-featured-times-square/>

Finalist - Microsoft Build the Shield Cybersecurity Competition

January 2016

- Press Article <https://blog.cs.brown.edu/2016/03/03/two-teams-will-represent-brown-microsofts-build-shield-competition/>

Best Microsoft Project Hack@Brown Hackathon

February 2015

- <https://devpost.com/software/holoscreen>
- Programmed an application that allows the user to control a 3D avatar or augmented reality hologram for holographic conferencing.

Best iOS Software Hack: HackPrinceton Hackathon

November 2014

- Press Article: <https://blog.cs.brown.edu/2014/11/19/aaron-gokaslan-18-wins-hackprinceton-best-ios-app-award/>

2nd Best Software Hack: HackPrinceton Hackathon

April 2015

- Press Article: <https://blog.cs.brown.edu/2015/04/23/aaron-gokaslan-18-and-laura-shea-18-take-second-place-award-software-hackprinceton/>

4th Place - Social Engineering: UConn Cyberseed Cybersecurity Competition November 2015

- Press Article: <https://blog.cs.brown.edu/2015/11/12/two-brown-cs-teams-win-cyberseed-prizes/>

WORK EXPERIENCE

MBZUAI Institute of Foundation Models

June 2025-Now

Senior Research Scientist

- Optimized training of 400B+ MOE parameter language models by up to 5x MFU through better communication / computation overlapping and quantization aware training on tens of thousands of GPUs
- Optimized discrete diffusion experimental frameworks
- Improved training dynamics for MoE router layers
- Managed and improved cluster infrastructure
- Worked closely on debugging numerics and performance TBA model releases

Databricks MosaicML

June 2023-Feb 2025

Research Intern

- Led work on reducing the cost of training of open diffusion models (Awarded Patent)
- Acquired by Databricks for \$1.3 Billion. \$21 million per employee.
- Contributed to DBRX - a state of art MOE large language model
- Optimized all end2end inference CUTLASS kernels by 15%

Cornell

Feb 2021-Aug 2025

PhD Student

- See Education section

Facebook AI Research

August 2019-February 2021

AI Resident

- See Research Experience

Facebook

Summer 2017 / Summer 2018

Software Engineer Intern

- Used machine learning techniques to detect crowdturfing campaigns on pages.
- Developed software to help manage mapreduce and distributed software in the data warehouse.

Microsoft

August 2015-August 2017

Student Partner

- Hosted developer talks, hackathons, and workshops relating to Microsoft products.

Vision Systems Inc

May 2016-August 2016

Research Intern

- Programmed software that uses neural networks and classical techniques, in particular structure from motion depth estimations, to automatically label, categorize, and correct road vectors in satellite imagery.

Teaching Assistant (Brown)

2016-2018

- Head Teaching Assistant: Computer Vision (Fall 2017), and Cybersecurity (Spring 2017).
- Teaching Assistant: Machine Learning (Spring 2018), Exec. Masters in Cybersecurity (Fall 2016), Engineering entrepreneurship (Spring 2016).

PUBLICATIONS

PlantCAD2: A Long-Context DNA Language Model for Cross-Species Functional Annotation in Angiosperms Arxiv

Jingjing Zhai, Aaron Gokaslan, Sheng-Kai Hsu, Szu-Ping Chen, Zong-Yan Liu, Edgar Marroquin, Eric Czech, Betsy Cannon, Ana Berthel, M Cinta Romay, Matt Pennell, Volodymyr Kuleshov, Edward S Buckler 2025

· <https://pmc.ncbi.nlm.nih.gov/articles/PMC12425018/>

The Common Pile v0.1: An 8TB Dataset of Public Domain and Openly Licensed Text Arxiv

Nikhil Kandpal, Brian Lester, Colin Raffel, Sebastian Majstorovic, Stella Biderman, Baber Abbasi, Luca Soldaini, Enrico Shippole, A. Feder Cooper, Aviya Skowron, John Kirchenbauer, Shayne Longpre, Lintang Sutawika, Alon Albalak, Zhenlin Xu, Guilherme Penedo, Loubna Ben Allal, Elie Bakouch, John David Pressman, Honglu Fan, Dashiell Stander, Guangyu Song, Aaron Gokaslan, Tom Goldstein, Brian R. Bartoldson, Bhavya Kailkhura, Tyler Murray 2025

· <https://arxiv.org/abs/2506.05209>

OpenThoughts: Data Recipes for Reasoning Models Arxiv

Etash Guha, Ryan Marten, Sedrick Keh, Negin Raoof, Georgios Smyrnis, Hritik Bansal, Marianna Nezhurina, Jean Mercat, Trung Vu, Zayne Sprague, Ashima Suvarna, Benjamin Feuer, Liangyu Chen, Zaid Khan, Eric Frankel, Sachin Grover, Caroline Choi, Niklas Muennighoff, Shiye Su, Wanjia Zhao, John Yang, Shreyas Pimpalgaonkar, Kartik Sharma, Charlie Cheng-Jie Ji, Yichuan Deng, Sarah Pratt, Vivek Ramanujan, Jon Saad-Falcon, Jeffrey Li, Achal Dave, Alon Albalak, Kushal Arora, Blake Wulfe, Chinmay Hegde, Greg Durrett, Sewoong Oh, Mohit Bansal, Saadia Gabriel, Aditya Grover, Kai-Wei Chang, Vaishaal Shankar, Aaron Gokaslan, Mike A. Merrill, Tatsunori Hashimoto, Yejin Choi, Jenia Jitsev, Reinhard Heckel, Maheswaran Sathiamoorthy, Alexandros G. Dimakis, Ludwig Schmidt 2025

· <https://arxiv.org/abs/2506.04178>

RanDeS: Randomized Delta Superposition for Multi-Model Compression Arxiv

Hangyu Zhou, Aaron Gokaslan, Volodymyr Kuleshov, Bharath Hariharan 2025

· <https://arxiv.org/abs/2505.11204>

Extracting memorized pieces of (copyrighted) books from open-weight language models Arxiv

A. Feder Cooper, Aaron Gokaslan, Amy B. Cyphert, Christopher De Sa, Mark A. Lemley, Daniel E. Ho, Percy Liang 2025

· <https://arxiv.org/abs/2505.12546>

Interpolating Autoregressive and Discrete Denoising Diffusion Language Models ICLR

Marianne Arriola, Aaron Gokaslan, Justin T Chiu, Jiaqi Han, Zhihan Yang, Zhixuan Qi, Subham Sekhar Sahoo, Volodymyr Kuleshov 2025

· <https://openreview.net/forum?id=tyEyYT267x>

· Selected for Oral (top 1.8% of papers)

MeMDLM: De Novo Membrane Protein Design with Masked Discrete Diffusion Protein Language Models NeurIPS AIDrugX Workshop

Shrey Goel, Vishrut Thoutam, Edgar Mariano Marroquin, Aaron Gokaslan, Arash Firouzbakht, Sophia Vincoff, Volodymyr Kuleshov, Huong T. Kratochvil, Pranam Chatterjee 2024

· <https://arxiv.org/abs/2410.16735>

The GAN is dead; long live the GAN! A Modern GAN Baseline NeurIPS

Nick Huang, Aaron Gokaslan, Volodymyr Kuleshov, James Tompkin 2024

· <https://github.com/brownvc/r3gan>

· Required reading in Kaming He's course <https://mit-6s978.github.io/schedule.html>

· Over 500 stars on Github in the first 2 weeks

Self-Directed Synthetic Dialogues and Revisions Technical Report

Arxiv

Nathan Lambert, Hailey Schoelkopf, Aaron Gokaslan, Luca Soldaini, Valentina Pyatkin, Louis Castricato 2024

· <https://arxiv.org/abs/2407.18421>

DataComp-LM: In search of the next generation of training sets for language models NeurIPS

Jeffrey Li, Alex Fang, Georgios Smyrnis, Maor Ivgi, Matt Jordan, Samir Gadre, Hritik Bansal, Etash Guha, Sedrick Keh, Kushal Arora, Saurabh Garg, Rui Xin, Niklas Muennighoff, Reinhard Heckel, Jean Mercat, Mayee Chen, Suchin Gururangan, Mitchell Wortsman, Alon Albalak, Yonatan Bitton, Marianna Nezhurina, Amro Abbas, Cheng-Yu Hsieh, Dhruva Ghosh, Josh Gardner, Maciej Kilian, Hanlin Zhang, Rulin Shao, Sarah Pratt, Sunny Sanyal, Gabriel Ilharco, Giannis Daras, Kalyani Marathe, Aaron Gokaslan, Jieyu Zhang, Khyathi Chandu, Thao Nguyen, Igor Vasiljevic, Sham Kakade, Shuran Song, Sujay Sanghavi, Fartash Faghri, Sewoong Oh, Luke Zettlemoyer, Kyle Lo, Alaaeldin El-Nouby, Hadi Pouransari, Alexander Toshev, Stephanie Wang, Dirk Groeneveld, Luca Soldaini, Pang Wei Koh, Jenia Jitsev, Thomas Kollar, Alexandros G. Dimakis, Yair Carmon, Achal Dave, Ludwig Schmidt, Vaishaal Shankar 2024

· <https://arxiv.org/abs/2406.11794>

Vid3D: Synthesis of Dynamic 3D Scenes using 2D Video Diffusion ICML Vid3D Workshop

Rishab Parthasarathy, Zachary Ankner, Aaron Gokaslan 2024

· <https://arxiv.org/abs/2406.11196>

Simple and Effective Masked Diffusion Language Models NeurIPS

Subham Sekhar Sahoo, Marianne Arriola, Yair Schiff, Aaron Gokaslan, Edgar Marroquin, Justin T Chiu, Alexander Rush, Volodymyr Kuleshov 2024

· <https://arxiv.org/abs/2406.07524>

· **Oral at BioML Workshop ICML 2024**

Diffusion Models With Learned Adaptive Noise NeurIPS

Subham Sekhar Sahoo, Aaron Gokaslan, Chris De Sa, Volodymyr Kuleshov 2024

· **Spotlight** \approx Top 3% of papers of 15671 submissions

· <https://arxiv.org/abs/2312.13236>

Cross-species modeling of plant genomes at single nucleotide resolution using a pre-trained DNA language model Biorxiv

Jingjing Zhai, Aaron Gokaslan, Yair Schiff, Ana Berthel, Zong-Yan Liu, Zachary R. Miller, Armin Scheben, Michelle C. Stitzer, M. Cinta Romay, Edward S. Buckler, Volodymyr Kuleshov 2024

· <https://www.biorxiv.org/content/10.1101/2024.06.04.596709v2.abstract>

Caduceus: Bi-Directional Equivariant Long-Range DNA Sequence Modeling Arxiv

Yair Schiff, Chia-Hsiang Kao, Aaron Gokaslan, Tri Dao, Albert Gu, Volodymyr Kuleshov 2024

· <https://arxiv.org/abs/2403.03234>

On the Standardization of Behavioral Use Clauses and Their Adoption for Responsible Licensing of AI Arxiv

Daniel McDuff, Tim Korjakow, Scott Cambo, Jesse Josua Benjamin, Jenny Lee, Yacine Jernite, Carlos Muñoz Ferrandis, Aaron Gokaslan, Alek Tarkowski, Joseph Lindley, A Feder Cooper, Danish Contractor 2024

· <https://arxiv.org/abs/2402.05979>

Advancing DNA Language Models: The Genomics Long-Range Benchmark Arxiv

Chia Hsiang Kao, Evan Trop, McKinley Polen, Yair Schiff, Bernardo P de Almeida, Aaron Gokaslan, Thomas PIERROT, Volodymyr Kuleshov 2024

· **Oral Presentation ICML SPIGM Workshop 2024**

· <https://openreview.net/pdf?id=M3VlreGcC1>

CommonCanvas: An Open Diffusion Model Trained with Creative-Commons Images CVPR
Aaron Gokaslan, A. Feder Cooper, Jasmine Collins, Landan Sequin, Austin Jacobson, Mihir Patel, Jonathan Frankle, Cory Stephenson, Volodymyr Kuleshov 2024

- Accepted to CVPR 2024
- Presented at NeurIPS 2023 Diffusion and Content Creativity Workshops
- <https://arxiv.org/abs/2310.16825>

InfoDiffusion: Representation Learning Using Information Maximizing Diffusion Models ICML
Yingheng Wang, Yair Schiff, Aaron Gokaslan, Weishen Pan, Fei Wang, Christopher De Sa, Volodymyr Kuleshov 2023

- <https://arxiv.org/abs/2306.08757>

Galactic: Scaling End-to-End Reinforcement Learning for Rearrangement at 100k Steps-per-Second CVPR
Vincent-Pierre Berges, Andrew Szot, Devendra Singh Chaplot, Aaron Gokaslan, Roozbeh Mottaghi, Dhruv Batra, Eric Undersander 2023

- <https://arxiv.org/abs/2306.07552>

Habitat-Matterport 3D Semantics Dataset CVPR
Karmesh Yadav, Ram Ramrakhya, Santhosh Kumar Ramakrishnan, Theo Gervet, John Turner, Aaron Gokaslan, Noah Maestre, Angel Xuan Chang, Dhruv Batra, Manolis Savva, Alexander William Clegg, Devendra Singh Chaplot 2022

- **CVPR Hightlight (Top 2.5% of Papers)**
- <https://arxiv.org/abs/2210.05633>

Bloom: A 176b-parameter open-access multilingual language model TMLR
Le Scao et al. 2022

- Served as co-chair for data governance of the BLOOM. The largest model trained by academic research.
- Contributed to data governance procedures and the creation of the OpenRAIL license.

The BigScience ROOTS Corpus: A 1.6TB Composite Multilingual Dataset NeurIPS
Hugo Laurençon, Lucile Saulnier, Thomas Wang, Christopher Akiki, Albert Villanova del Moral, Teven Le Scao, Leandro Von Werra, Chenghao Mou, Eduardo González Ponferrada, Huu Nguyen, Jörg Frohberg, Mario Šaško, Quentin Lhoest, Angelina McMillan-Major, Gérard Dupont, Stella Biderman, Anna Rogers, Loubna Ben allal, Francesco De Toni, Giada Pistilli, Olivier Nguyen, Somaieh Nikpoor, Maraim Masoud, Pierre Colombo, Javier de la Rosa, Paulo Villegas, Tristan Thrush, Shayne Longpre, Sebastian Nagel, Leon Weber, Manuel Romero Muñoz, Jian Zhu, Daniel Van Strien, Zaid Alyafeai, Khalid Almubarak, Vu Minh Chien, Itziar Gonzalez-Dios, Aitor Soroa, Kyle Lo, Manan Dey, Pedro Ortiz Suarez, Aaron Gokaslan, Shamik Bose, David Ifeoluwa Adelani, Long Phan, Hieu Tran, Ian Yu, Suhas Pai, Jenny Chim, Violette Lepercq, Suzana Ilic, Margaret Mitchell, Sasha Luccioni, Yacine Jernite 2022

- **Featured Paper (Oral)** \approx 1% acceptance rate
- <https://openreview.net/forum?id=UoEw6KigkUn>

Data Governance in the Age of Large-Scale Data-Driven Language Technology FAccT
Yacine Jernite, Huu Nguyen, Stella Biderman, Anna Rogers, Maraim Masoud, Valentin Danchev, Samson Tan, Alexandra Sasha Luccioni, Nishant Subramani, Isaac Johnson, Gerard Dupont, Jesse Dodge, Kyle Lo, Zeerak Talat, Dragomir Radev, Aaron Gokaslan, Somaieh Nikpoor, Peter Henderson, Rishi Bommasani, Margaret Mitchell 2022

- Co-chaired a working group on Model Governance & Dataset Curation Tooling and incorporated the findings of that group into this paper. We deployed this governance strategy for the BigScience Roots Corpus (above).
- <https://dl.acm.org/doi/abs/10.1145/3531146.3534637>

- Prototyping Mixed Reality Large Screen Mobile Telepresence Robots** VAM-HRI
Ian Gonsler, Yuxin Han, Karthik Desingh, Aaron Gokaslan 2022
- Handled all the programming for telepresence robot (work originally done in undergrad).
 - <https://openreview.net/forum?id=H9U10sApqy9>
- TöRF: Time-of-Flight Radiance Fields for Dynamic Scene View Synthesis** NeurIPS
Benjamin Attal, Eliot Laidlaw, Aaron Gokaslan, Changil Kim, Christian Richardt, James Tompkin, Matthew O'Toole 2021
- A version of NERF that incorporates raw time of flight readings for more accurate depth.
 - <https://arxiv.org/abs/2109.15271>
- Habitat 2.0: Training Home Assistants to Rearrange their Habitat** NeurIPS
Andrew Szot, Alex Clegg, Eric Undersander, Erik Wijmans, Yili Zhao, John Turner, Noah Maestre, Mustafa Mukadam, Devendra Chaplot, Oleksandr Maksymets, Aaron Gokaslan, Vladimir Vondrus, Sameer Dharur, Franziska Meier, Wojciech Galuba, Angel Chang, Zsolt Kira, Vladlen Koltun, Jitendra Malik, Manolis Savva, Dhruv Batra 2021
- Spotlight: Top 3% of papers**
 - <https://arxiv.org/abs/2106.14405>
- THDA: Treasure Hunt Data Augmentation for Semantic Navigation** ICCV
Oleksandr Maksymets, Vincent Cartillier, Aaron Gokaslan, Erik Wijmans, Stefan Lee, Wojciech Galuba, Dhruv Batra 2021
- <https://arxiv.org/abs/2110.02207>
- Waypoint Models for Instruction-guided Navigation in Continuous Environments** ICCV
Jacob Krantz, Aaron Gokaslan, Dhruv Batra, Stefan Lee, Oleksandr Maksymets 2021
- Oral Presentation: Top (3%/210)** of all (6236) submissions
 - <https://arxiv.org/abs/2110.02207>
- Habitat-Matterport 3D Dataset: 1000 Large-scale 3D Environments for Embodied AI** NeurIPS
Santhosh Kumar Ramakrishnan, Aaron Gokaslan, Erik Wijmans, Oleksandr Maksymets, Alexander Clegg, John M Turner, Eric Undersander, Wojciech Galuba, Andrew Westbury, Angel X Chang, Manolis Savva, Yili Zhao, Dhruv Batra 2021
- <https://openreview.net/pdf?id=-v40uqNs5P>
- GaussiGAN: Controllable Image Synthesis with 3D Gaussians from Unposed Silhouettes** BMVC
Youssef A Mejjati, Isa Milefchik, Aaron Gokaslan, Oliver Wang, Kwang In Kim, James Tompkin 2021
- <https://arxiv.org/abs/2106.13215>
- OpenGPT-2: open language models and implications of generated text** XRDS: Crossroads
Vanya Cohen, Aaron Gokaslan 2020
- Released the OpenWebTextCorpus, a dataset designed to mirror OpenAI's OpenWebText.
 - <https://dl.acm.org/doi/abs/10.1145/3416063>
- MatryODShka: Real-time 6dof video view synthesis using multi-sphere images** ECCV
Benjamin Attal, Selena Ling, Aaron Gokaslan, Christian Richardt, James Tompkin 2020
- Oral Presentation top 2%** out of 5025 submissions
 - <https://arxiv.org/abs/2008.06534>
- ObjectNav Revisited: On Evaluation of Embodied Agents Navigating to Objects** Arxiv
Dhruv Batra, Aaron Gokaslan, Aniruddha Kembhavi, Oleksandr Maksymets, Roozbeh Mottaghi, Manolis Savva, Alexander Toshev, Erik Wijmans 2020
- <https://arxiv.org/abs/2006.13171>

Generating Object Stamps

Arxiv

Youssef Alami Mejjati, Zejiang Shen, Michael Snower, Aaron Gokaslan, Oliver Wang, James Tompkin, Kwang In Kim
2020

· <https://arxiv.org/abs/2001.02595>

Sim2Real predictivity: Does evaluation in simulation predict real-world performance?

IROS

Abhishek Kadian, Joanne Truong, Aaron Gokaslan, Alexander Clegg, Erik Wijmans, Stefan Lee, Manolis Savva, Sonia Chernova, Dhruv Batra
2020

· Dually accepted to both IROS and RA-L. [Thttps://arxiv.org/abs/1912.06321](https://arxiv.org/abs/1912.06321)

Learning Deep Parameterized Skills from Demonstration for Re-targetable Visuomotor Control

Jonathan Chang, Nishanth Kumar, Sean Hastings, Aaron Gokaslan, Diego Romeres, Devesh Jha, Daniel Nikovski, George Konidaris, Stefanie Tellex
2019

· <https://arxiv.org/abs/1910.10628>

Improving Shape Deformation in Unsupervised Image-to-image Translation

ECCV

Aaron Gokaslan, Vivek Ramanujan, Daniel Ritchie, Kwang In Kim, James Tompkin
2018

· Extended cyclic loss based generative adversarial networks to shape deformation, hyperdeformed style transfer, and object transfiguration. <https://arxiv.org/abs/1808.04325>

The Eye of the Typer: A Benchmark and Analysis of Gaze Behavior during Typing

ETRA

Alexandra Papoutsaki, Aaron Gokaslan, James Tompkin, Yuze He, Jeff Huang
2018

· <http://delivery.acm.org/10.1145/3210000/3204552/a16-papoutsaki.pdf>

· Recorded, processed, and analyzed a dataset from a large user study to quantify the improvement of WebGazer when using keystrokes as additional training data | WebGazer Website: <https://webgazer.cs.brown.edu/>.

The Butterfly Effect on Glioblastoma: Is Volumetric Extent of Resection More Effective than Biopsy for these Tumors

Journal of Neurology

Chaichana et al.
2014

· <https://www.ncbi.nlm.nih.gov/pubmed/25193022>

· Performed analysis of patient outcomes of brain cancer supporting the effectiveness of surgical intervention.

Spinal Cord: Anatomical Overview and Selected Pathologies

eLS

Stewart et al.

2014

· <http://www.els.net/WileyCDA/ElsArticle/refId-a0021402.html>

· Conducted a literature review of research concerning the human spinal cord.

Lumbar Fusion versus Non-operative Management for Treatment of Discogenic Low Back Pain

Journal of Spinal Disorders and Techniques

Bydon et al.

2014

· <https://www.ncbi.nlm.nih.gov/pubmed/24346052>

· Gathered data for metaanalysis of previous studies from literature search.

SERVICE

Co-chair: HuggingFace Big Science Workshop: Model Governance & Dataset Curation Tooling

Lead an organization of more than 500 researchers working on large scale, replicable, and safe generative models trained by academic researchers.

Maintainer of pybind11, popular C++11 bindings for Python used by Tensorflow, PyTorch, Scipy, Matplotlib and other large projects. One of the top 1,000 projects on Github. <https://github.com/pybind/pybind11>

Advisory Board Member of Fidutam and EncodeJustice Serving an advisory board member for two nonprofits focusing on drafting policy memos for regulation of AI for Sen. Chuck Schumer's SAFE Act

Core Reviewer and Maintainer of PyTorch Contributing open source improvements to the PyTorch ecosystem as well as review, approve, and merge pull requests. **Received 2023/2024 PyTorch Community Contribution Awards.**

Student Consultant 2021-2022 - Committee to Design New CS Building

Elected 2021-2022 Vice President of Ithaca PhD Students - CS Graduate Organization

Reviewer: AICCW2020, AICCW2021, CVPR2020, CVPR2021, CVPR2022, CVPR2024, ECCV 2020, ICCV2021, NeurIPS2019, NeurIPS2020, NeurIPS2021, ICLR2021, IEEE TVCG 2021, NeurIPS2024, SIGGRAPH ASIA 2024, SIGGRAPH 2024