Jacob Morrison

Ph.D. Student, UW Computer Science & Engineering
Student Researcher, Allen Institute for AI

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Education

University of Washington *Seattle, WA*
M.S./Ph.D. in Computer Science *2025 - Present*
- Advisor: Noah Smith

University of Washington *Seattle, WA*
M.S. in Computational Linguistics *2021 - 2022*

University of Washington *Seattle, WA*
B.S. in Computer Science *2013 - 2017*
- Minor in Mathematics

Awards & Fellowships

2025 **Mercor,** Graduate Fellowship Finalist
2025 **Massachusetts Institute of Technology,** EECS Merrill Lynch Ph.D. Fellowship (Declined)
2025 **University of California, Berkeley,** EECS Ph.D. Fellowship (Declined)
2025 **Carnegie Mellon University,** LTI Ph.D. Fellowship (Declined)
2025 **University of Toronto,** Departmental Ph.D. Fellowship; Vector Research Grant (Declined)
2024 **ACL 2024,** Theme Paper Award
2024 **ACL 2024,** Best Resource Paper Award
2024 **GeekWire,** Innovation of the Year Award
2023 **National Science Foundation,** Computer Science Graduate Fellowship

Experience

University of Washington, Computer Science & Engineering *Seattle, WA*
Ph.D. Student *Sep 2025 - Present*
- Advisor: Noah Smith

Allen Institute for AI *Seattle, WA*
Student Researcher *Sep 2025 - Present*
- Host: Hannaneh Hajishirzi

Predoctoral Young Investigator *Jan 2023 - Sep 2025*
- Mentors: Pradeep Dasigi & Jesse Dodge

X, the moonshot factory *Mountain View, CA*
AI Resident *Summer 2022*

Twitter *Seattle, WA*
Data Scientist Intern *Summer 2021*

Allen Institute for AI *Seattle, WA*
Research Engineer Intern *Spring 2021*

Google *Kirkland, WA*
Software Engineer *Jan 2019 - Feb 2021*

Tableau *Seattle, WA*
Software Engineer *Sep 2017 - Dec 2018*

Publications

OLMo Hybrid: From Theory to Practice
William Merrill, Yanhong Li, Tyler Romero, Anej Svete, Caia Costello, Pradeep Dasigi, Dirk Groeneveld, David Heineman, Bailey Kuehl, Nathan Lambert, Chuan Li, Kyle Lo, Saumya Malik, DJ Matusz, Benjamin Minixhofer, **Jacob Morrison**, Luca Soldaini, Finbarr Timbers, Pete Walsh, Noah A. Smith, Hannaneh Hajishirzi, Ashish Sabharwal
Technical Report, 2026

Olmo 3

OLMo Team, Allyson Ettinger*, Amanda Bertsch*, Bailey Kuehl*, David Graham*, David Heineman*, Dirk Groeneveld*, Faeze Brahman*, Finbarr Timbers*, Hamish Ivison*, **Jacob Morrison***, Jake Poznanski*, Kyle Lo*, Luca Soldaini*, Matt Jordan*, Mayee Chen*, Michael Noukhovitch*, Nathan Lambert*, Pete Walsh*, Pradeep Dasigi*, Robert Berry*, Saumya Malik*, Saurabh Shah*, Scott Geng*, Shane Arora*, Shashank Gupta*, Taira Anderson*, Teng Xiao*, Tyler Murray*, Tyler Romero*, Victoria Graf*, Akari Asai, Akshita Bhagia, Alex Wettig, Alisa Liu, Aman Rangapur, Chloe Anastasiades, Costa Huang, Dustin Schwenk, Harsh Trivedi, Ian Magnusson, Jaron Lochner, Jiacheng Liu, Lj Miranda, Maarten Sap, Malia Morgan, Michael Schmitz, Michal Guerquin, Michael Wilson, Regan Huff, Ronan Le Bras, Rui Xin, Rulin Shao, Sam Skjonsberg, Shannon Zejiang Shen, Shuyue Stella Li, Tucker Wilde, Valentina Pyatkin, Will Merrill, Yapei Chang, Yuling Gu, Zhiyuan Zeng, Ashish Sabharwal, Luke Zettlemoyer, Pang Wei Koh, Ali Farhadi, Noah A. Smith*, Hannaneh Hajishirzi*

Technical Report, 2025

OlmoEarth

OlmoEarth Team, Yawen Zhang, Gabriel Tseng, Joseph Redmon, Henry Herzog, Favyen Bastani, Hadrien Sablon, Ryan Park, **Jacob Morrison**, Alex Buraczynski, Karen Farley, Josh Hansen, Andrew Howe, Patrick Johnson, Mark Otterlee, Hunter Pitelka, Rachel Ratner, Ted Schmitt, Chris Wilhelm, Sebastian Wood, Mike Jacobi, Hannah Kerner, Evan Shelhamer, Ali Farhadi, Ranjay Krishna, Patrick Beukema

CVPR 2026

FlexOLMo: Open Language Models for Flexible Data Use

Weijia Shi, Akshita Bhagia, Kevin Farhat, Niklas Muennighoff, Evan Pete Walsh, **Jacob Morrison**, Dustin Schwenk, Shayne Longpre, Jake Poznanski, Allyson Ettinger, Daogao Liu, Margaret Li, Mike Lewis, Wen-tau Yih, Dirk Groeneveld, Luca Soldaini, Kyle Lo, Noah A. Smith, Luke Zettlemoyer, Pang Wei Koh, Hannaneh Hajishirzi, Ali Farhadi, Sewon Min

*NeurIPS 2025 (**spotlight**)*

RewardBench 2: Advancing Reward Model Evaluation

Saumya Malik, Valentina Pyatkin, Sander Land, **Jacob Morrison**, Noah A. Smith, Hannaneh Hajishirzi, Nathan Lambert

ICLR 2026

2 OLMo 2 Furious

OLMo Team, Pete Walsh, Luca Soldaini, Dirk Groeneveld, Kyle Lo, Shane Arora, Akshita Bhagia, Yuling Gu, Shengyi Huang, Matt Jordan, Nathan Lambert, Dustin Schwenk, Oyvind Tafjord, Taira Anderson, David Atkinson, Faeze Brahman, Christopher Clark, Pradeep Dasigi, Nouha Dziri, Michal Guerquin, Hamish Ivison, Pang Wei Koh, Jiacheng Liu, Saumya Malik, William Merrill, Lester James V. Miranda, **Jacob Morrison**, Tyler Murray, Crystal Nam, Valentina Pyatkin, Aman Rangapur, Michael Schmitz, Sam Skjonsberg, David Wadden, Christopher Wilhelm, Michael Wilson, Luke Zettlemoyer, Ali Farhadi, Noah A. Smith, Hannaneh Hajishirzi

COLM 2025

Tülu 3: Pushing Frontiers in Open Language Model Post-Training

Nathan Lambert, **Jacob Morrison**, Valentina Pyatkin, Shengyi Huang, Hamish Ivison, Faeze Brahman, Lester James V. Miranda, Alisa Liu, Nouha Dziri, Shane Lyu, Yuling Gu, Saumya Malik, Victoria Graf, Jena D. Hwang, Jiangjiang Yang, Ronan Le Bras, Oyvind Tafjord, Chris Wilhelm, Luca Soldaini, Noah A. Smith, Yizhong Wang, Pradeep Dasigi, Hannaneh Hajishirzi

COLM 2025

Holistically Evaluating the Environmental Impact of Creating Language Models

Jacob Morrison, Clara Na, Jared Fernandez, Tim Dettmers, Emma Strubell, Jesse Dodge

*ICLR 2025 (**spotlight**)*

OLMoE: Open Mixture-of-Experts Language Models

Niklas Muennighoff, Luca Soldaini, Dirk Groeneveld, Kyle Lo, **Jacob Morrison**, Sewon Min, Weijia Shi, Pete Walsh, Oyvind Tafjord, Nathan Lambert, Yuling Gu, Shane Arora, Akshita Bhagia, Dustin Schwenk, David Wadden, Alexander Wettig, Binyuan Hui, Tim Dettmers, Douwe Kiela, Ali Farhadi, Noah A. Smith, Pang Wei Koh, Amanpreet Singh, Hannaneh Hajishirzi

*NeurIPS 2024 Workshop on Efficient Natural Language and Speech Processing (**spotlight**)*

*ICLR 2025 (**oral**)*

Merge to Learn: Efficiently Adding Skills to Language Models with Model Merging

Jacob Morrison, Noah A. Smith, Hannaneh Hajishirzi, Pang Wei Koh, Jesse Dodge, Pradeep Dasigi

Findings of EMNLP 2024

SciRIFF: A Resource to Enhance LM Instruction-Following over Scientific Literature

David Wadden*, Kejian Shi*, **Jacob Morrison**, Alan Li, Aakanksha Naik, Shruti Singh, Nitzan Barzilay, Kyle Lo, Tom Hope, Luca Soldaini, Shannon Shen, Doug Downey, Hanna Hajishirzi, Arman Cohan

NeurIPS 2024 Workshop on Foundation Models for Science

EMNLP 2025

RewardBench: Evaluating Reward Models for Language Modeling

Nathan Lambert, Valentina Piyatkin, **Jacob Morrison**, LJ Miranda, Bill Yuchen Lin, Khyathi Chandu, Tom Zick, Yejin Choi, Noah A. Smith, Hannaneh Hajishirzi

Findings of NAACL 2025

OLMo: Accelerating the Science of Language Models

Dirk Groeneveld, Iz Beltagy, Pete Walsh, Akshita Bhagia, Rodney Kinney, Oyvind Tafjord, Ananya Harsh Jha, Hamish Ivison, Ian Magnusson, Yizhong Wang, Shane Arora, David Atkinson, Russell Authur, Khyathi Chandu, Arman Cohan, Jennifer Dumas, Yanai Elazar, Yuling Gu, Jack Hessel, Tushar Khot, William Merrill, **Jacob Morrison**, Niklas Muennighoff, Aakanksha Naik, Crystal Nam, Matthew E. Peters, Valentina Pyatkin, Abhilasha Ravichander, Dustin Schwenk, Saurabh Shah, Will Smith, Emma Strubell, Nishant Subramani, Mitchell Wortsman, Pradeep Dasigi, Nathan Lambert, Kyle Richardson, Jesse Dodge, Kyle Lo, Luca Soldaini, Noah A. Smith, Hannaneh Hajishirzi

ACL 2024 ***Theme Paper Award***

Dolma: An Open Corpus of Three Trillion Tokens for Language Model Pretraining Research
Luca Soldaini, Rodney Kinney, Akshita Bhagia, Dustin Schwenk, David Atkinson, Russell Authur, Ben Bogin, Khyathi Chandu, Jennifer Dumas, Yanai Elazar, Valentin Hofmann, Ananya Harsh Jha, Sachin Kumar, Li Lucy, Xinxi Lyu, Nathan Lambert, Ian Magnusson, **Jacob Morrison**, Niklas Muennighoff, Aakanksha Naik, Crystal Nam, Matthew E. Peters, Abhilasha Ravichander, Kyle Richardson, Zejiang Shen, Emma Strubell, Nishant Subramani, Oyvind Tafjord, Evan Pete Walsh, Hannaneh Hajishirzi, Noah A. Smith, Luke Zettlemoyer, Iz Beltagy, Dirk Groeneveld, Jesse Dodge, Kyle Lo
ACL 2024 ***Best Resource Paper Award***

Intentionally Unintentional Speech: Why Generative AI Models Are Not Protected by the First Amendment
David Atkinson, Jena D. Hwang, **Jacob Morrison**
First Amendment Law Review (University of North Carolina), 2024

Unsettled Law in the Age of Generative AI: Time to Generate New Approaches?
David Atkinson, **Jacob Morrison**
Journal of Law and Technology at Texas, 2024

A Legal Risk Taxonomy for Generative Artificial Intelligence
David Atkinson, **Jacob Morrison**
arXiv report, 2024

Bidimensional Leaderboards: Generate and Evaluate Language Hand in Hand
Jungo Kasai, Keisuke Sakaguchi, Ronan Le Bras, Lavinia Dunagan, **Jacob Morrison**, Alexander Fabbri, Yejin Choi, Noah A. Smith
NAACL 2022

Transparent Human Evaluation for Image Captioning
Jungo Kasai, Keisuke Sakaguchi, Lavinia Dunagan, **Jacob Morrison**, Ronan Le Bras, Yejin Choi, Noah A. Smith
NAACL 2022

** indicates equal contribution*

Invited Talks & Presentations

Georgetown Law *November 2025*
RewardBench: Evaluating Reward Models for Language Modeling

North American Summer School for Logic, Language and Information *June 2025*
AI for Legal Interpretation?

Washington State House Consumer Protection & Business Committee *July 2024*
Technical and Policy Considerations for Generative AI

Morgan Stanley *July 2024*
Legal Risks for Generative AI

Bill & Melinda Gates Foundation *May 2024*
OLMo: A Truly Open Language Model

State of Washington AI Community of Practice *Nov 2023*
Responsible, Real World AI Development and Deployment

Press & Media

Why is Everyone So Wrong About AI Water Use?? *December 2025*
Hank Green (YouTube, >3.5m views)

A new kind of AI model gives data owners more control *July 2025*
Wired

Your AI models are failing in production – Here's how to fix model selection *June 2025*
VentureBeat

AI & climate: a first of its kind conversation on the hill *February 2024*
Ai2 Blog

City of Seattle Releases Generative Artificial Intelligence Policy for City Employees *November 2023*
Office of the Mayor of Seattle

Tech policy leaders explore new frontiers for supporting (and regulating) AI at forum *August 2023*
GeekWire
- Organized the Future of AI Forum with U.S. Senator Maria Cantwell's office

Teaching Experience

University of Washington, Computer Science & Engineering *Seattle, WA*
Head Teaching Assistant *Fall 2022*
- Lead a team of five TAs for a natural language processing course with over fifty undergraduate and graduate students
- Coordinated and managed all grading, office hours and guest lectures

University of Washington, Mathematics Department *Seattle, WA*
Grading Assistant *Mar 2014 - Jun 2016*
- Graded weekly differential equations, linear analysis and multivariable calculus assignments
- Calculated, recorded and ensured the accuracy of grades for 100-200 students per quarter

University of Washington, Computer Science & Engineering *Seattle, WA*
Teaching Assistant *Fall 2015*
- Taught weekly sections, covering introductory programming concepts and departmental best practices
- Created lesson plans and grading criteria, and set points of emphasis with other TAs and instructors
- Received an above average rating, including in teaching effectiveness and feedback quality

Service

Conference & Workshop Reviewing
ACL Rolling Review (Jun 2024 - Present)
COLM (2024, 2025)
ICLR (2025, 2026)
Post-AGI Science and Society Workshop (2026)
ICML GenLaw Workshop (2024)

City of Seattle
Generative AI Policy Advisory Group Member *Jun 2023 - Aug 2023*
- Advised the City of Seattle on the creation of its Generative AI Policies

UW Alumni Association
District Representative *Jun 2023 - Present*
- Lobbied state lawmakers on behalf of the UW Alumni Association

GOLD Alumni Councilmember *Jan 2023 - Dec 2025*
- Committee is comprised of graduates of the last decade from all University of Washington campuses
- Engaged current students and alumni through events such as career talks, social events, and recruitment drives

Early Career Mentor *Sep 2022 - Dec 2025*
- Mentored current students in regular advising sessions as they start their careers in software engineering and research
- Focused mentorship efforts on underrepresented groups such as first-generation college students