Jacob Morrison

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Education

University of Washington   *Seattle, WA*
M.S. in Computational Linguistics   *2021 - 2022*
• Advisor: Noah Smith

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

Awards

2023   **National Science Foundation,** Computer and Information Science and Engineering Graduate Fellowship   *$159,000*

Research Experience

Allen Institute for Artificial Intelligence   *Seattle, WA*
Predoctoral Young Investigator   *Jan 2023 - Present*
• Mentors: Pradeep Dasigi & Jesse Dodge
Public Policy Lead   *May 2023 - Present*
• Founded and lead AI2's public policy team; devised AI2's first organizational public policy strategy

X, the moonshot factory (formerly known as Google [x])   *Mountain View, CA*
AI Resident   *Summer 2022*
• Confidential research applying large language models to problems in code generation & program synthesis

University of Washington, Computer Science & Engineering   *Seattle, WA*
Graduate Research Assistant   *Sep 2021 - Jun 2022*
• Advisors: Jungo Kasai & Noah Smith

Allen Institute for Artificial Intelligence   *Seattle, WA*
Research Engineer Intern   *Spring 2021*
• Implemented language + vision models into the AllenNLP platform

University of Washington, Computer Science & Engineering   *Seattle, WA*
Undergraduate Research Assistant   *Dec 2016 - Aug 2017*
• Advisors: Yangfeng Ji & Noah Smith

Publications & Press

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
arXiv preprint (2024). 2024

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
arXiv preprint (2024). 2024

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
arXiv preprint (2024). 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
In Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistic (NAACL), 2022, Seattle, United States

Transparent Human Evaluation for Image Captioning
Jungo Kasai, Keisuke Sakaguchi, Lavinia Dunagan, **Jacob Morrison**, Ronan Le Bras, Yejin Choi, Noah A. Smith
In Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistic (NAACL), 2022, Seattle, United States

PRESS

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

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

Presentations

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

Industry Experience

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

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

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

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

City of Seattle   *Seattle, WA*
City University Community Advisory Committee Member   *Jan 2023 - Present*
- Community representative to a joint committee between the University of Washington and City of Seattle
- Advised on major projects such as campus expansion, land redevelopment, and housing availability

UW Alumni Association   *Seattle, WA*
District Representative   *Jun 2023 - Present*
- Lobbied state lawmakers on behalf of the UW Alumni Association
                    Seattle, WA
GOLD Alumni Councilmember   *Jan 2023 - Present*
- 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
                    Seattle, WA
Early Career Mentor   *Sep 2022 - Present*
- 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