Jacob Morrison

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Education

University of Washington   *Seattle, WA*

M.S. in Computational Linguistics   *Sep 2021 - Dec 2022*

• Advisor: Noah Smith

University of Washington   *Seattle, WA*

B.S. in Computer Science   *Sep 2013 - Jun 2017*

• Minor in Mathematics

Awards

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

Publications

CONFERENCE PROCEEDINGS

Transparent Human Evaluation for Image Captioning
  Jungo Kasai, Keisuke Sakaguchi, Lavinia Dunagan, Jacob Morrison, Ronan Le Bras, Yejin Choi, Noah A. Smith
  Proceedings of the 2022 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies, 2022, Seattle, United States

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
  Proceedings of the 2022 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies, 2022, Seattle, United States

Research Experience

Allen Institute for Artificial Intelligence   *Seattle, WA*

Predoctoral Young Investigator   *Jan 2023 - Present*

• Mentors: Pradeep Dasigi & Jesse Dodge
• Research focused on parameter efficient methods, model merging, instruction tuning, efficiency and fairness

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
• Investigated how well correlated automated evaluation metrics are with human judgements

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
• Created a generic, attention-based model for representing related pairs of text

Industry Experience

Twitter   *Seattle, WA*

Data Scientist Intern   *Summer 2021*

• Analyzed very large datasets to improve the health of discussion on Twitter, focusing on abusive interactions
• Investigated negative feedback loops in the training and deployment of large machine learning models for content moderation

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 economically underrepresented groups such as first-generation college students

University of Washington, Computer Science & Engineering   *Seattle, WA*
New Major Mentor   *Sep 2015 - Jun 2017*
- Mentored newly admitted students to the School of Computer Science & Engineering, helping them navigate entry to the department