

EDUCATION

2021-present	Ph.D. Student at the University of Washington, Seattle, WA. <i>Paul G. Allen School of Computer Science & Engineering</i> <i>Co-advised by Jeffrey Heer and Daniel Weld</i>
2016-2021	B.A. at the University of Pennsylvania, Philadelphia, PA. <i>Bachelor of Arts in Cognitive Science with Summa Cum Laude</i> <i>Minors in Computer Science, French</i>
2019	Community Auditing Program at Princeton University, Princeton, NJ. <i>Audited Computer Vision, NLP, Advanced Graph Theory (not for credit)</i>
2019	Study Abroad at Lyon Lumière II, Lyon, France. <i>Courses in French including Neuroscience, Human Computer Interaction, and Memory</i>

PUBLICATIONS

CHI 2024	How Do Data Analysts Respond to AI Assistance? A Wizard-of-Oz Study <i>Ken Gu, Madeleine Grunde-McLaughlin, Andrew M McNutt, Jeffrey Heer, Tim Althoff</i> <i>ACM Conference on Human Computer Interaction, 2024</i>
CSCW 2023	Explanations can Reduce Overreliance on AI Systems during Decision-Making <i>Helena Vasconcelos, Matthew Jörke, Madeleine Grunde-McLaughlin, Ranjay Krishna, Tobias Gerstenberg, and Michael Bernstein</i> <i>ACM Conference on Computer-Supported Cooperative Work and Social Computing, 2023</i>
CVPR 2022	AGQA-Decomp: Measuring Compositional Consistency for Video Question Answering <i>Mona Gandhi, Mustafa Öümer Gul, Eva Prakash, Madeleine Grunde-McLaughlin, Ranjay Krishna, Maneesh Agrawala</i> <i>IEEE conference on Computer Vision and Pattern Recognition, 2022</i>
CVPR 2021	AGQA: A Benchmark for Compositional Spatio-Temporal Reasoning <i>Madeleine Grunde-McLaughlin, Ranjay Krishna, Maneesh Agrawala</i> <i>IEEE conference on Computer Vision and Pattern Recognition, 2021</i>
InfoVis 2020	Bayesian-Assisted Inference from Visualized Data <i>Yea-Seul Kim, Paula Kayongo, Madeleine Grunde-McLaughlin, Jessica Hullman</i> <i>IEEE Transactions of Visualization & Computer Graphics (Proceedings of InfoVis), 2020</i>

SELECTED AWARDS AND HONORS

2023	CSCW Best Paper Honorable Mention , awarded to top 23 papers <i>“Explanations can Reduce Overreliance on AI Systems during Decision-Making”</i>
2021	Allen School Computer Science & Engineering Research Fellowship <i>1-year fellowship from the University of Washington Allen School</i>
2021	College Alumni Society Prize in Cognitive Science <i>Awarded to the best Cognitive Science thesis at the University of Pennsylvania</i>
2021	Phi Beta Kappa Honor Society

PREPRINTS AND WORKSHOP PAPERS

TOCHI 2024	Designing LLM Chains by Adapting Techniques from Crowdsourcing Workflows <i>Madeleine Grunde-McLaughlin, Michelle S Lam, Ranjay Krishna, Daniel S Weld, Jeffrey Heer</i> First Look stage of ACM Transactions on Computer-Human Interaction (TOCHI)
CSCW 2023	Semantic Navigator: Query Driven Active Learning for Historical Narrative Understanding <i>Eva Maxfield Brown, Madeleine Grunde-McLaughlin, Isabelle Pestovski, Lanyi Zhu, Nicholas Weber</i> ACM Conference on Computer-Supported Cooperative Work and Social Computing, Community-Driven AI Workshop, 2023
CHI 2022	When Do XAI Methods Work? A Cost-Benefit Approach to Human-AI Collaboration <i>Helena Vasconcelos, Matthew Jörke, Madeleine Grunde-McLaughlin, Ranjay Krishna, Tobias Gerstenberg, and Michael Bernstein</i> ACM Conference on Human Computer Interaction, TRAIT Workshop, 2022
2022	AGQA 2.0: An updated benchmark for compositional spatio-temporal reasoning <i>Madeleine Grunde-McLaughlin, Ranjay Krishna, Maneesh Agrawala</i> ArXiv, April 2022
2021	Model comparison of the effects of stimulus structure on visual working memory recall <i>Madeleine Grunde-McLaughlin, Cheng Qiu, Alan A Stocker</i> Undergraduate Honors Thesis, April 2021

PRESENTATIONS

2023	Benchmarks for Vision-Language Compositional Reasoning <i>Madeleine Grunde-McLaughlin, Cheng-Yu Hsieh</i> Talk, IEEE/CVF International Conference on Computer Vision (ICCV), CAMP Workshop, 2023
2023	Applying social computing workflows for text-editing with LLMs <i>Madeleine Grunde-McLaughlin, Michelle Lam, Ranjay Krishna, Jeffrey Heer, Daniel Weld</i> Poster, CRA-WP Grad Cohort for Women Conference
2021	AGQA: A Benchmark for Compositional Spatio-Temporal Reasoning <i>Madeleine Grunde-McLaughlin, Ranjay Krishna, Maneesh Agrawala</i> Poster, Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition, 2021
2020	Measuring Spatio-Temporal Reasoning Through VideoQA <i>Madeleine Grunde-McLaughlin, Ranjay Krishna, Maneesh Agrawala</i> Poster, Grace Hopper Celebration of Women in Computing

TEACHING

2024	CSE 442 Data Visualization Teaching Assistant, Professor Jeffrey Heer
2024	CSE 512 Data Visualization Teaching Assistant, Professor Jeffrey Heer
2021-2022	Mentoring three undergraduate/masters students to publication

ACADEMIC SERVICE

2024-present	DUB (Design Use Build) Coordinator , <i>University of Washington</i> <ul style="list-style-type: none">Recruiting, training, and supporting speaker hosts for DUB seminar.Recruiting, training, and supporting DUB Doctoral Colloquium Coordinators.Supporting coordination of DUB events such as DUB Community Day and job panels.
2023-present	New Grad Mentoring Organizer , <i>University of Washington</i> <ul style="list-style-type: none">Coordinating and matching first-year and older student pairs.Organizing quarterly events for all mentors and mentees.
2024	Inaugural para.chi.dub Session Chair Organizer , <i>University of Washington</i> <ul style="list-style-type: none">Defined session chair responsibilities.Coordinated and instructed 3 other session chairs and 15 presenters.Moderated a panel and introduced speakers and sessions.Collaborated on building the event schedule and goals.
2024	Visit Days Non-Standard Visitor Coordinator , <i>University of Washington</i> <ul style="list-style-type: none">Organized a schedule and meetings for prospective students visiting at non-standard times.
2023	Visit Days PCS Area HCI Lead Scheduler-in-Chief , <i>University of Washington</i> <ul style="list-style-type: none">Coordinated prospective students visit days scheduling categories.
2023-2024	HCI Seminar Organizer , <i>University of Washington</i> <ul style="list-style-type: none">Coordinated weekly speakers for seminar presentations.
2022-2023	Doctoral Colloquium Coordinator for DUB (Design Use Build) , <i>University of Washington</i> <ul style="list-style-type: none">Organized a workshop for Ph.D. students to get feedback on their dissertation plan.Recruited 6 panelists across industry and academia.Coordinated and ran a full-day event in which students present their research and faculty give feedback.
2022-2023	New Grad Mentor , <i>University of Washington</i> <ul style="list-style-type: none">Organizing events for new students to build community.Supporting first year students as they adapt to the PhD program.
2022-present	Conference Reviewer <ul style="list-style-type: none">Conferences: CHI 2024, UIST 2024, VIS VDS 2024, CSCW 2023, TiiS 2022, UIST 2022Workshops: CHI 2024 Late-Breaking Work, ECCV 2024, TREW 2024, TRAIT 2023, TRAIT 2022

WORK EXPERIENCE

2023	Google Student Researcher <i>Seattle, Washington</i> <ul style="list-style-type: none">Designed a system for validating academic reference quality with the Google Applied Science group.Conducted informational interviews to assess current practices and inform system design.
2018	Aravind Eye Care Systems Project Student , <i>Madurai, India</i> <ul style="list-style-type: none">Implemented a Moodle Learning Management System to track training completion for doctors and nurses.Led a focus group with 8 doctors to test the Learning Management System interface.
2017	Dynamix Gymnastics Assistant Camp Director , <i>Langhorne, Pennsylvania</i> <ul style="list-style-type: none">Managed a team of 11 coaches of various experience levels.Communicated goals and mediated interpersonal conflicts among coaches, parents, and children.

TECHNICAL SKILLS

Advanced - Python; Proficient - Pytorch, Tensorflow, HTML/CSS, D3, Flask, Java; Basic - R, React, Idyll