Ashlee Milton

Computer Science PhD Student, Grouplens at UMN

(They/Her)
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EDUCATION

University of Minnesota, Minneapolis, MN, 2021 - Presen*t*

PhD Student in Computer Science

Advisor: Dr. Stevie Chancellor, GroupLens Lab

Boise State University, Boise, ID, 2018 - 2021

MS in Computer Science, BS in Computer Science

Advisor: Dr. Maria Soledad Pera, People and Information Research Team

University of Idaho, Moscow, ID, 2012 - 2014

BS in Psychology

EXPERIENCE

Graduate Research Assistant

GroupLens Lab, University of Minnesota, 2021 - present

Advisor: Dr. Stevie Chancellor

Boise State University, 2020 - 2021

Advisor: Dr. Maria Soledad Pera

Graduate Teaching Assistant

Introduction to Algorithms and Data Structures

University of Minnesota, 2022

Introduction to the Theory of Computation

Boise State University, 2020 - 2021

Computer Science II

Boise State University, 2020

FELLOWSHIPS, HONORS, & AWARDS

Grants to Advance Graduate Education (GAGE) Fellowship, 2021

NSF Steller Engineering Students Graduate Program Scholarship, 2020

CRA Outstanding Undergraduate Research Finalist, 2020

PUBLICATIONS

Journal Papers

- **Ashlee Milton** and Maria Soledad Pera. 2023. Into the Unknown: Exploration of Search Engines' Responses to Users with Depression and Anxiety. ACM Trans. Web 17, 4, Article 25 (November 2023), 29 pages. https://doi.org/10.1145/3580283
- Oghenemaro Anuyah, **Ashlee Milton**, Michael Green, Maria Soledad Pera. 2020. An empirical analysis of search engines' response to web search queries associated with the classroom setting. Aslib Journal of Information Management, 72(1), 88-111.

Full Conference Papers

- **Ashlee Milton**, Juan F. Maestre, Abhishek Roy, Rebecca Umbach, and Stevie Chancellor. 2024. Seeking in Cycles: How Users Leverage Personal Information Ecosystems to Find Mental Health Information. *To Appear* In Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems (CHI '24).
- **Ashlee Milton**, Leah Ajmani, Michael Ann DeVito, and Stevie Chancellor. 2023. "I See Me Here": Mental Health Content, Community, and Algorithmic Curation on TikTok. In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems (CHI '23). https://doi.org/10.1145/3544548.3581489
- Garrett Allen, **Ashlee Milton**, Katherine Landau Wright, Jerry Alan Fails, Casey Kennington, and Maria Soledad Pera. "Supercalifragilisticexpialidocious: Why Using the "Right" Readability Formula in Children's Web Search Matters." In European Conference on Information Retrieval, pp. 3-18. Cham: Springer International Publishing, 2022.
- **Ashlee Milton**, Oghenemaro Anuyah, Lawrence Spear, Katherine Landau Wright and Maria Soledad Pera, "A Ranking Strategy to Promote Resources Supporting the Classroom Environment," 2020 IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT), Melbourne, Australia, 2020, pp. 121-128, doi: 10.1109/WIIAT50758.2020.00021.

Short, Poster, Workshop, & Demo Papers

- Alice Qian Zhang, **Ashlee Milton**, and Stevie Chancellor. 2023. #Pragmatic or #Clinical: Analyzing TikTok Mental Health Videos. In Companion Publication of the 2023 Conference on Computer Supported Cooperative Work and Social Computing (CSCW '23 Companion). https://doi.org/10.1145/3584931.3607013

- **Ashlee Milton** and Stevie Chancellor. "The Users Aren't Alright: Dangerous Mental Illness Behaviors and Recommendations." FAccTRec Workshop: Responsible Recommendation Workshop, co-located with the 16th ACM Conference on Recommender Systems. https://arxiv.org/abs/2209.03941
- Lawrence Spear, **Ashlee Milton**, Garrett Allen, Amifa Raj, Michael Green, Michael D Ekstrand, and Maria Soledad Pera. 2021. Baby Shark to Barracuda: Analyzing Children's Music Listening Behavior. In Proceedings of the 15th ACM Conference on Recommender Systems (RecSys '21). https://doi.org/10.1145/3460231.3478856
- **Ashlee Milton**, Garrett Allen, Maria Soledad Pera. 2021. To Infinity and Beyond! Accessibility is the Future for Kids' Search Engines. In the proceeding of IR for Children 2000-2020: Where Are We Now?, Workshop co-located with the 44th International ACM SIGIR Conference on Research and Development in Information Retrieval. https://arxiv.org/abs/2106.07813
- Amifa Raj, **Ashlee Milton**, Michael D. Ekstrand. 2021. Pink for Princesses, Blue for Superheroes: The Need to Examine Gender Stereotypes in Kid's Products in Search and Recommendations. KidRec '21: 5th International and Interdisciplinary Perspectives on Children & Recommender and Information Retrieval Systems (KidRec), Co-located with ACM IDC 2021. https://arxiv.org/abs/2105.09296
- **Ashlee Milton**, Levesson Batista, Garrett Allen, Siqi Gao, Yiu-Kai D Ng, and Maria Soledad Pera. 2020. "Don't Judge a Book by its Cover": Exploring Book Traits Children Favor. In Proceedings of the 14th ACM Conference on Recommender Systems (RecSys '20). https://doi.org/10.1145/3383313.3418490
- **Ashlee Milton** and Maria Soledad Pera. 2020. "What snippets feel: Depression, search, and snippets." The 1st Joint Conference of the Information Retrieval Communities in Europe (CIRCLE).
- **Ashlee Milton** and Maria Soledad Pera. 2020. Evaluating information retrieval systems for kids. KidRec '20: 4th International and Interdisciplinary Perspectives on Children & Recommender and Information Retrieval Systems (KidRec), Co-located with ACM IDC 2020. https://arxiv.org/abs/2005.12992
- **Ashlee Milton**, Michael Green, Adam Keener, Joshua Ames, Michael D Ekstrand, and Maria Soledad Pera. 2019. StoryTime: eliciting preferences from children for book recommendations. In Proceedings of the 13th ACM Conference on Recommender Systems (RecSys '19). https://doi.org/10.1145/3298689.3347048
- Oghenemaro Anuyah, Michael Green, **Ashlee Milton**, Maria Soledad Pera. 2019. The Need for a Comprehensive Strategy to Evaluate Search Engine Performance in the Classroom. KidRec '19: 3rd International and Interdisciplinary Perspectives on Children &

Recommender and Information Retrieval Systems (KidRec), Co-located with ACM IDC 2019.

- **Ashlee Milton**, Emiliana Murgia, Monica Landoni, Theo Huibers, Maria Soledad Pera. 2019. Here, There, and Everywhere: Building a Scaffolding for Children's Learning Through Recommendations. 1st Workshop on the Impact of Recommender Systems with ACM RecSys 2019.

Press

Online Users Navigate Mental Health Information, Empowered to Help Make Changes, 2024

How is TikTok affecting our mental health? It's complicated, new U of M study shows, 2023

Story picked up by: Star Tribune, KARE 11, CBS Minnesota WCCO

Reviewing & Mentoring

Reviewing

Journals: Social Media + Society 2023

Conferences: CHI 2022-2024 (Reviewer Recognition '22), CSCW 2023-2024, MobileHCI 2023, ECIR 2023, SigIR 2022

Workshops: FAccTRec 2023, Perspectives 2021

Mentoring

Masters:

Audrey Gasser, University of Minnesota, 2024 - Present

Undergraduate:

Harshini Bellamkonda, University of Minnesota, 2023 - Present

Elizabeth Treveen, Carnegie Mellon University, 2023 - Present

Alice Zhang, University of Minnesota, 2022 - Present

Service & Leadership

Student Representative for GroupLens Lab, 2023 - Present

Mentor in the Queer Peer Mentorship Program, 2023

Lab Resource Manager for GroupLens Lab, 2022 - 2023

Boise State University ACM-W Vice President, 2019 - 2021

Student Volunteer, RecSys 2019