Andrew Kuznetsov
Resume

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Human Computer Interaction Institute, Carnegie Mellon University, 5000 Forbes Avenue Pittsburgh, PA.

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Research Interests

Collaboration {Systems, Interactions, Evaluation}, **Sensemaking** {Knowledge Capture, Synthesis, Reuse}, **Human-Computer Interaction** {Technical Systems, Mixed Methods, User Studies}.

Ongoing Projects

- AI Systems for Care Coordination in Home Healthcare and Acute Settings
- Interactions for Diagnosis and Troubleshooting Support
- Evaluation of Online Sensemaking/Information Foraging

Education

2018–Present	Ph.D. Human-Computer Interaction	School of Computer Science, Carnegie Mellon University *Graduate Research Advisor: Aniket Kittur*
2022-2023	NPR (Paramedic)	Center for Emergency Medicine of Western Pennsylvania
2014	B.S. Computer Science	University of Illinois Urbana-Champaign *Research Advisors: Aditya Parameswaran, Brian Bailey*

Professional Experience

May 2022 – Current	**Research Lead**, NSF AI-CARING, Carnegie Mellon University. Leading the 'Robust Teaming' project with Prof. Anita Woolley, funded as part of the NSF AI-CARING AI institute. The Robust Teaming project explores potential human-centered AI systems that can assist a caregiving network in learning a person's needs, preferences, and adapting as those change over time. The AI Institute for Collaborative Assistance and Responsive Interaction for Networked Groups (AI-CARING) is a National Artificial Intelligence (AI) Research Institute whose mission is to develop the next generation of personalized collaborative AI systems that improve the quality of life and independence of aging adults living at home.
May 2020 – Sept 2020	**Research Intern**, Product Design and Strategy Team, Wikimedia Foundation. Led research studying how Wikipedia readers trust article content and exploring trust-related interventions. Results published in Proceedings of ACM CHI 2022.
Aug 2018 – Current	**Emergency Medical Technician**, Foxwall EMS, CMU EMS. Foxwall EMS is a volunteer Advanced Life Support ambulance service servicing the Fox Chapel and Aspinwall communities in Pennsylvania. CMU EMS is an all-volunteer, student-run quick response service that serves the medical needs of the Carnegie Mellon University campus community.
May 2016 – Aug 2016	**Software Engineering Intern**, Core Infrastructure Team, Amazon Mechanical Turk. Prototyped 'Human Computation' workflow systems at Amazon MTurk. This project afterward grew to be connected to two Amazon 'human-in-the-loop' (HITL) products; Amazon SageMaker Ground Truth and Amazon Augmented AI (Amazon A2I).

Programming Languages

Prototyping {Python, Javascript/React, HTML/CSS, Unity}, **Backend Development** {Python, Java, C++, C#}, **Analytics** {iPython/Pandas, R, SQL}

Awards and Honors

2018   Social Alpha Foundation Impact Summit Blockchain for Social Good Grant
2017   Office of Undergraduate Research (OUR) Research Support Grant (RSG)
2017   Illinois Scholars Undergraduate Research (ISUR) Scholar Grant
2015   Illinois Scholars Undergraduate Research (ISUR) Scholar Grant
2015   University of Illinois Engineering Visionary Scholarship

Academic Reviewing

ACM CHI   2021, 2022, 2023
ACM UIST   2022
ACM CSCW   2022, 2023
ACM DIS   2023

Publications

6. **Kuznetsov, A.**, Chang, J., Hahn, N., Rachatasumrit, N., Breneisen, B., Coupland, J, Kittur, A. (2022, October). Fuse: In-Situ sensemaking Support in the Browser. In The 35th Annual ACM Symposium on User Interface Software and Technology (UIST '22).

5. Liu, M., **Kuznetsov, A.**, Kim, Y., Chang, J., Kittur, A., Myers, B. Brad A. (2022, October). Wigglite: Low-cost Information Collection and Triage. In The 35th Annual ACM Symposium on User Interface Software and Technology (UIST '22).

4. **Kuznetsov, A.**, Novotny, M., Klein, J., Saez-Trumper, D., Kittur, A., (2022, April). Templates and Trust-o-meters: Towards a widely deployable indicator of trust in Wikipedia. In Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems.

3. Reinhart, A., Brooks, L., Jahja, M., Rumack, A., Tang, J., Agrawal, S., ... **Kuznetsov, A.**, ... , Tibshirani, R. J. (2021). An open repository of real-time COVID-19 indicators. Proceedings of the National Academy of Sciences, 118(51).

2. Hastings, E. M., Alamri, A., **Kuznetsov, A.**, Pisarczyk, C., Karahalios, K., Marinov, D., Bailey, B. P. (2020, April). LIFT: Integrating Stakeholder Voices into Algorithmic Team Formation. In Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (pp. 1-13).

1. Jain, A., Seo, J. Y., Goel, K., **Kuznetsov, A.**, Parameswaran, A., Sundaram, H. (2016). It's just a matter of perspective (s): Crowd-Powered Consensus Organization of Corpora. arXiv preprint arXiv:1601.02034.