

Andrew Kuznetsov, NRP

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 <i>Graduate Research Advisor: Aniket Kittur</i>
2023	NRP (Nationally Registered Paramedic)	Center for Emergency Medicine of Western Pennsylvania
2014	B.S. Computer Science	University of Illinois Urbana-Champaign <i>Research Advisors: Aditya Parameswaran, Brian Bailey</i>

Professional Experience

May 2023 – August 2023	Research Intern , HCI & Visualization Lab, Autodesk Research. Developed techniques to support architects in exploring generative AI designs. Collaboration ongoing.
May 2022 – Current	Research Lead , Robust Teaming Group, 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, 2024
ACM UIST	2022
ACM CSCW	2022, 2023, 2024
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). Wigglyte: 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.