

# Kowe Kaodma

Ph.D Candidate, Cornell University, New York, New York  
kk696@cornell.edu — [www.linkedin.com/in/kowekadoma](http://www.linkedin.com/in/kowekadoma) — [kadomak.github.io](http://kadomak.github.io)

## RESEARCH INTERESTS

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Human-centered AI, AI Ethics, Intellectual Property Law

## EDUCATION

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<b>Cornell University</b>	2021 — Present
Ph.D, Information Science	
M.S., Information Science	2024
<b>Florida A&amp;M University</b>	2017— 2021
B.S., Computer Engineering <i>summa cum laude</i>	

## SKILLS & SELECTED COURSES

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- **Programming:** Python, R, C/C++, Java, HTML/CSS, SQL, Ruby, MATLAB, VHDL
- **Software & Frameworks:** PyTorch, TensorFlow, Git, Google Cloud
- **Research Methods:** Quantitative Methods, Mixed-Methods Approaches, Usability Studies, Survey Design, Data Science, Natural Language Processing, Machine Learning
- **Courses:** NLP and Social Interaction (CS6742), Advanced Language Technologies (CS6740), Research with Marginalized Populations (SOC6000)

## PUBLICATIONS

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\* = denotes equal authorship

**Kowe Kadoma**, Marianne Aubin Le Quéré, Jenny Fu, Christin Munsch, Danaë Metaxa, Mor Naaman. “The Role of Inclusion, Control, and Ownership in Workplace AI-Mediated Communication.” In the *Conference on Human Factors in Computing Systems (CHI)*, 2024.

Buddhika Nettasinghe, **Kowe Kadoma**, Mor Naaman, Vikram Krishnamurthy. “Estimating Exposure to Information on Social Networks.” In the *Proceedings of the ACM on Transactions on Social Computing, (TSC)* 2024.

Jenny Fu, Brennan Antone, **Kowe Kadoma**, Malte Jung. “Navigating Professional Identities: Exploring the Impact of AI-Mediated Writing on Locus of Control” At the *Workshop on Human-Robot Interaction for Wellbeing: Challenges and Opportunities for Using LLMs (RO-MAN)*, 2024.

**Kowe Kadoma**, Danaë Metaxa, Mor Naaman. “The Perception of AI Use in the Workplace.” *In Preparation*, 2024.

**Kowe Kadoma**, Emma Pierson. “Training the Engineering Workforce: The Role of Education.” *In Preparation*, 2024.

Jay Cunningham\*, Jeffrey Bosoah\*, **Kowe Kadoma**\*, Aaleyah Lewis\*, Adinawa Adjagbodjou\*. “Responsible Automated Speech Recognition: A Scoping Literature Review.” *In Preparation*, 2024.

Sterling Williams-Ceci, Maurice Jakesch, Advait Bhat, **Kowe Kadoma**, Lior Zalmanson, Mor Naaman. “Bias in AI Auto-complete Suggestions Leads to Attitude Shift Societal Issues.” *Under Review*, 2024.

## PROJECTS

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[Practical Steps for Building Fair AI Algorithms](#)

**Kowe Kadoma**, Emma Pierson

Developed a free, introductory Coursera class on algorithmic fairness as a part of the Training the Engineering Workforce to Develop Fair Algorithms project

## POSTERS

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Jenny Fu, Brennan Antone, **Kowe Kadoma**, Malte Jung. “Navigating Professional Identities: Exploring the Impact of AI-Mediated Writing on Locus of Control” In the *Society of Digital Mental Health (SDMH)*, 2024.

Buddhika Nettasinghe, **Kowe Kadoma**, Mor Naaman, Vikram Krishnamurthy. “Estimating Exposure to Information on Social Networks.” In the *International Conference on Computational Social Science (IC2S2)*, 2022.

**Kowe Kadoma**, Paul Tubig, Sara Goering. “Re-evaluating Social Support as an Inclusion Criterion for Neurotechnology Research.” In the *University of Washington Undergraduate Research Symposium*, 2019.

Mike Peyman, Sam Lowenstein, **Kowe Kadoma**, Zeljko Ignjatovic. “Computational Methods for Audio-based Noninvasive Blood Pressure Estimation.” In the *University of Rochester Kearns Research Symposium*, 2018.

## AWARDS

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<b>LinkedIn PhD Award</b> , <i>Cornell University</i>	2024
<b>IDEALS Travel Grant</b> , <i>CRA-WP</i>	2024
<b>Grace Hopper Celebration Fellow</b> , <i>Cornell University</i>	2023
<b>Digital Life Initiative Fellowship</b> , <i>Cornell Tech</i>	2022
<b>Graduate School Dean’s Scholars</b> , <i>Cornell University</i>	2021
<b>Graduate Education for Minorities (GEM) Full Fellow</b> , <i>Cornell University</i>	2021
<b>Intel Electrical &amp; Computer Engineering Scholar</b> , <i>Florida A&amp;M University</i>	2018
<b>Dean’s Citation for Broadening Participation in Research</b> , <i>University of Rochester</i>	2018
<b>Distinguished Scholars Award</b> , <i>Florida A&amp;M University</i>	2017

## GRANT WRITING & PREPARATION

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<b>Inclusion and Trust in Text Suggestions by Large Language Models</b> <i>Student contributor</i> ; co-written with Mor Naaman and Danaë Metaxa for TRAILS	2024
<b>Do Biases in Perception of AI Use Lead to Inequitable Outcomes</b> <i>Student contributor</i> ; co-written with Mor Naaman and Danaë Metaxa for Google Academic Research Awards	2024

## WORK EXPERIENCE

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<b>Summer Legal Associate</b> <i>Uber</i>	July 2021 — August 2021 Seattle, WA
<ul style="list-style-type: none"> <li>Used data analytics to manage the patent portfolio and make recommendations for defensive strategies in a patent infringement case.</li> </ul>	
<b>Pre-law Clerk</b> <i>Jenner &amp; Block</i>	June 2021 — July 2021 Chicago, IL
<ul style="list-style-type: none"> <li>Researched prior art, created a claim table, and investigated software technologies for patent infringement cases.</li> </ul>	
<b>Software Engineering Intern</b> <i>Medtronic</i>	May 2020 — August 2020 Mounds View, MN
<ul style="list-style-type: none"> <li>Designed and implemented the user interface and functionality for the SmartSync application to the MicraAV pacemaker.</li> </ul>	
<b>Intellectual Property Assistant Intern</b> <i>Schwegman, Lundberg, &amp; Woessner</i>	June 2016 — August 2016; May 2017 — August 2017 Minneapolis, MN
<ul style="list-style-type: none"> <li>Docketed cases, prepared patent applications, and responded to Office Actions from the United States Patent &amp; Trademark Office.</li> </ul>	

## INVITED TALKS & PANELS

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<b>Design Opportunities for Inclusive AI in the Workplace</b>	
<ul style="list-style-type: none"> <li>Lightening Talk Symposium <i>CRA IDEALS</i></li> </ul>	2024

**Quality of Service Harms within Large Language Models**

- Citizens and Technology Lab, *Cornell University* 2024

**My Graduate School Journey**

- Career Pathways, *University of Rochester* 2023

**Work Life Balance**

- Information Science Visit Days Panel, *Cornell Tech* 2023

**Re-evaluating Social Support as an Inclusion Criterion for Neurotechnology Research**

- Undergraduate Research Symposium, *University of Washington* 2019

**Computational Methods for Audio-based Noninvasive Blood Pressure Estimation**

- Kearns Research Symposium, *University of Rochester* 2018

**PROFESSIONAL MEMBERSHIPS**

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- Association for Computing Machinery, *Student member* 2024-
- Tau Beta Pi, *General Member, Florida Eta Chapter* 2018-

**SERVICE**

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**Peer Reviewer**

- Social Media and Society (SMS) 2024
- ACM Conference on Human Factors in Computing Systems (CHI) 2024
- ACM Conference on Fairness, Accountability, and Transparency (FAccT) 2023
- Journal of Computer-Mediated Communication (JCMC) 2022

**Department Service**

- **President**, Information Science Graduate Students Association 2022
- **Reviewer**, Information Science PhD Applicants 2022

**STUDENT MENTORING**

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- Ayana Monroe (Ph.D., Information Science, Cornell University) 2023 - Present
- Promise Epko (Ph.D., Computer Science, Cornell University) 2023 - Present
- Khadija Jallow (Ph.D., Information Science, Cornell University) 2023 - Present
- Daria Butuc (M.S., Connective Media, Cornell University) 2022-2023

**OUTREACH**

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- **Invited Speaker**, Modern Figures Podcast 2024

**TEACHING**

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- **Teaching Assistant** Jan 2023 — Jan 2024  
*Cornell Tech* New York, NY

Hosted office hours and coordinated project grading with other class TAs and undergraduate consultants

- CS 5356, *Building Start Up Systems* Spring 2024
- INFO 5330, *Tech, Media, & Democracy* Spring 2023