

Gabriel Lima

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RESEARCH INTERESTS

I am a human-computer interaction (HCI) researcher interested in responsible, human-centered artificial intelligence (AI). Through my work, I seek to embed the public's perceptions and opinions of consequential AI systems into debates concerning their real-world ethical, social, and legal implications. My overarching objective is to ensure that the development and governance of AI reflect the values, expectations, and opinions of the people who use and are affected by these systems.

My work primarily focuses on three interconnected directions: 1) Examining people's expectations and opinions of high-risk AI systems to inform real-world ethical, social, and legal debates surrounding AI; 2) Experimentally investigating how the predominant debates on AI—and different perspectives about them—shape the public's perceptions; and 3) Analyzing the predominant perspectives on the ethical, social, and legal questions raised by AI, as well as the solutions put forward to address them.

I am a strong believer in interdisciplinary research. I have collaborated with scholars from psychology, law, sociology, communication, and other disciplines, always aiming to bring different disciplinary perspectives together.

EDUCATION

Max Planck Institute for Security and Privacy (MPI-SP)

Bochum, Germany, Sep. 2023–Present

Ph.D. in Computer Science. Advisor: Yixin Zou.

Korea Advanced Institute of Science and Technology (KAIST)

Daejeon, South Korea, Mar. 2021–Feb. 2023

M.S. in Computer Science. Advisor: Meeyoung Cha.

Thesis: The Conflict Between Explainability and Responsibility in Algorithmic Decision-Making

Korea Advanced Institute of Science and Technology (KAIST)

Daejeon, South Korea, Feb. 2017–Feb. 2021

Advanced B.S. in Computer Science (with honors).

SELECTED PUBLICATIONS

Do Citizens Agree with the EU AI Act? Public Perspectives on Risk and Regulation of AI Systems

Gabriel Lima, Gustavo Gil Gasiola, Frederike Zufall, Yixin Zou

Proceedings of the CHI Conference on Human Factors in Computing Systems. 2026

<https://doi.org/10.1145/3772318.3790535>

Lay Perceptions of Algorithmic Discrimination in the Context of Systemic Injustice

Gabriel Lima, Nina Grgić-Hlača, Markus Langer, Yixin Zou

Proceedings of the CHI Conference on Human Factors in Computing Systems. 2025

<https://doi.org/10.1145/3706598.3713536>

Best Paper Honorable Mention Award

Public Opinions About Copyright for AI-Generated Art: The Role of Egocentricity, Competition, and Experience

Gabriel Lima, Nina Grgić-Hlača, Elissa Redmiles

Proceedings of the CHI Conference on Human Factors in Computing Systems. 2025

<https://doi.org/10.1145/3706598.3713338>

Who Should Pay When Machines Cause Harm? Laypeople's Expectations of Legal Damages for Machine-Caused Harm

Gabriel Lima, Nina Grgić-Hlača, Jin Keun Jeong, Meeyoung Cha

Proceedings of the 2023 Conference on Fairness, Accountability, and Transparency (FAccT). 2023

<https://doi.org/10.1145/3593013.3593992>

Blaming Humans and Machines: What Shapes People's Reactions to Algorithmic Harm

Gabriel Lima, Nina Grgić-Hlača, Meeyoung Cha

Proceedings of the CHI Conference on Human Factors in Computing Systems. 2023

<https://doi.org/10.1145/3544548.3580953>

The Conflict Between Explainable and Accountable Decision-Making Algorithms

Gabriel Lima, Nina Grgić-Hlača, Jin Keun Jeong, Meeyoung Cha

Proceedings of the 2022 Conference on Fairness, Accountability, and Transparency (FAccT). 2022

<https://doi.org/10.1145/3593013.3593992>

Best Student Paper at the "Issues in XAI #4: Explainable AI: Between Ethics and Epistemology" Workshop

HONORS AND AWARDS

Best Paper Honorable Mention Award at ACM CHI (Top 5%)

2025

Received for the paper titled "Lay Perceptions of Algorithmic Discrimination in the Context of Systemic Injustice."

Recognition for Diversity and Inclusion at ACM CSCW

2025

Received for the paper titled "Beyond 'Vulnerable Populations': A Unified Understanding of Vulnerability From A Socio-Ecological Perspective"

KAIST School of Computing Outstanding Thesis Award

2023

Received for my M.S. thesis titled "The Conflict Between Explainability and Responsibility in Algorithmic Decision-Making."

SIGCHI Gary Marsden Travel Award

2023

Received USD 2,500 to attend ACM CHI 2023 and present my paper titled "Blaming Humans and Machines: What Shapes People's Reactions to Algorithmic Harm."

Best Student Paper Award

2022

Received at the "Issues in XAI #4: Explainable AI: Between Ethics and Epistemology" workshop for the paper titled "The Conflict Between Explainable and Accountable Decision-Making Algorithms," which was later published at ACM FAccT 2022.

New Horizons Award at ACM EAAMO

2022

Received at the ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization (EAAMO '22) for the paper titled "Dimensions of Diversity in Human Perceptions of Algorithmic Fairness." The New Horizons Award is given to papers "bridging research and practice that EAAMO aspires to foster."

KAIST School of Humanities and Social Sciences Best Paper Award

Spring Semester, 2020

Received for the paper titled "How Granting Rights to AI and Robots Might Conflict with Human Rights."

KAIST School of Computing Dean's List

Fall Semester, 2018

Received for outstanding academic achievement.

KAIST Graduate/Undergraduate Research Project (GURP) Funding

2018

Received KRW 8,000,000 (USD 6,700) for a research project on classifying emotion from raw speech data.

SERVICE

Program Committee Member / Associate Chair

ACM Conference on Human Factors in Computing Systems (CHI)

Critical Computing, Sustainability, and Social Justice subcommittee

2026

Reviewer

ACM Conference on Human Factors in Computing Systems (CHI)

2023–2026

- C2) **What is Safety? Corporate Discourse, Power, and the Politics of Generative AI Safety**
Ankolika De, Gabriel Lima, Yixin Zou
Proceedings of the CHI Conference on Human Factors in Computing Systems. 2026
<https://doi.org/10.1145/3772318.3791632>
- C3) **Lay Perceptions of Algorithmic Discrimination in the Context of Systemic Injustice**
Gabriel Lima, Nina Grgić-Hlača, Markus Langer, Yixin Zou
Proceedings of the CHI Conference on Human Factors in Computing Systems. 2025
<https://doi.org/10.1145/3706598.3713536>
Best Paper Honorable Mention Award
- C4) **Public Opinions About Copyright for AI-Generated Art: The Role of Egocentricity, Competition, and Experience**
Gabriel Lima, Nina Grgić-Hlača, Elissa Redmiles
Proceedings of the CHI Conference on Human Factors in Computing Systems. 2025
<https://doi.org/10.1145/3706598.3713338>
- C5) **Beyond 'Vulnerable Populations': A Unified Understanding of Vulnerability From A Socio-Ecological Perspective**
Xinru Tang, Gabriel Lima, Li Jiang Jiang, Lucy Simko, Yixin Zou
Proceedings of the ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW). 2025
<https://dl.acm.org/doi/10.1145/3710935>
Recognition for Diversity and Inclusion
- C6) **Who Should Pay When Machines Cause Harm? Laypeople's Expectations of Legal Damages for Machine-Caused Harm**
Gabriel Lima, Nina Grgić-Hlača, Jin Keun Jeong, Meeyoung Cha
Proceedings of the 2023 Conference on Fairness, Accountability, and Transparency (FAccT). 2023
<https://doi.org/10.1145/3593013.3593992>
- C7) **Blaming Humans and Machines: What Shapes People's Reactions to Algorithmic Harm**
Gabriel Lima, Nina Grgić-Hlača, Meeyoung Cha
Proceedings of the CHI Conference on Human Factors in Computing Systems. 2023
<https://doi.org/10.1145/3544548.3580953>
- C8) **The Conflict Between Explainable and Accountable Decision-Making Algorithms**
Gabriel Lima, Nina Grgić-Hlača, Jin Keun Jeong, Meeyoung Cha
Proceedings of the 2022 Conference on Fairness, Accountability, and Transparency (FAccT). 2022
<https://doi.org/10.1145/3531146.3534628>
Best Student Paper at the "Issues in XAI #4: Explainable AI: Between Ethics and Epistemology" Workshop
- C9) **Others Are to Blame: Whom People Consider Responsible for Online Misinformation**
Gabriel Lima, Jiyong Han, Meeyoung Cha
Proceedings of the ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW). 2022
<https://doi.org/10.1145/3512953>
- C10) **Emotion Bubbles: Emotional Compositions of Online Discourse Before and After the COVID-19 Outbreak**
Assem Zhunis, Gabriel Lima, Hyeonho Song, Jiyong Han, Meeyoung Cha
Proceedings of the Web Conference (WebConf). 2022
<https://doi.org/10.1145/3485447.3512132>

- C11) **Dimensions of Diversity in Human Perceptions of Algorithmic Fairness**
Nina Grgić-Hlača, Gabriel Lima, Adrian Weller, Elissa M. Redmiles
Equity and Access in Algorithms, Mechanisms, and Optimization (EAAMO). 2022
<https://doi.org/10.1145/3551624.3555306>
New Horizons Award
- C12) **Human Perceptions on Moral Responsibility of AI: A Case Study in AI-Assisted Bail Decision-Making**
Gabriel Lima, Nina Grgić-Hlača, Meeyoung Cha
Proceedings of the CHI Conference on Human Factors in Computing Systems. 2021
<https://doi.org/10.1145/3411764.3445260>
- C13) **Collecting the Public Perception of AI and Robot Rights**
Gabriel Lima, Changyeon Kim, Seungho Ryu, Chihyung Jeon, Meeyoung Cha
Proceedings of the ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW). 2020
<https://doi.org/10.1145/3415206>

JOURNAL PAPERS

- J1) **User-Chatbot Conversations During the COVID-19 Pandemic: A Study Based on Topic Modeling and Sentiment Analysis**
Hyojin Chin, Gabriel Lima, Mingi Shin, Assem Zhunis, Chiyoung Cha, Junghoi Choi, Meeyoung Cha
Journal of Medical Internet Research (JMIR). 2023
<http://dx.doi.org/10.2196/40922>
- J2) **Misinformation, Believability, and Vaccine Acceptance Over 40 Countries: Takeaways From the Initial Phase of The COVID-19 Infodemic**
Karandeep Singh*, Gabriel Lima*, Meeyoung Cha, Chiyoung Cha, Juhi Kulshrestha, Yong-Yeol Ahn, Onur Varol
PLOS ONE. 2022
<https://doi.org/10.1371/journal.pone.0263381>
- J3) **QAnon Shifts Into the Mainstream, Remains a Far-Right Ally**
Saifeldeen Zihiri*, Gabriel Lima*, Jiyoung Han, Meeyoung Cha, Wonjae Lee
Heliyon. 2022
<https://doi.org/10.1016/j.heliyon.2022.e08764>
- J4) **The Conflict Between People's Urge to Punish AI and Legal Systems**
Gabriel Lima, Meeyoung Cha, Chihyung Jeon, Kyung Sin Park
Frontiers in Robotics and AI. 2021
<https://doi.org/10.3389/frobt.2021.756242>
- J5) **On the Social-Relational Moral Standing of AI: An Empirical Study Using AI-Generated Art**
Gabriel Lima, Assem Zhunis, Lev Manovich, Meeyoung Cha
Frontiers in Robotics and AI. 2021
<https://doi.org/10.3389/frobt.2021.719944>
- J6) **Prevalence of Misinformation and Factchecks on the COVID-19 Pandemic in 35 Countries: Observational Infodemiology Study**
Meeyoung Cha, Chiyoung Cha, Karandeep Singh, Gabriel Lima, Yong-Yeol Ahn, Juhi Kulshrestha, Onur Varol
JMIR Human Factors. 2021
<https://doi.org/10.2196/23279>

BOOK CHAPTERS

B1) Human Perceptions of AI-Caused Harm

Gabriel Lima, Meeyoung Cha

The Cambridge Handbook of Experimental Jurisprudence. 2025

<https://doi.org/10.1017/9781009170901.028>

MANUSCRIPTS UNDER REVIEW

- WP1) **Who Should Algorithms Favor—If Anyone? Attitudes Towards Fair, Affirmative, and Discriminatory Decision-Making Algorithms**
Anonymized [first author]
Under review. 2026

WP2) **AI Chatbots Are Not Fire—They Are Just Facebook**

Anonymized [first author]

Under review. 2026

WORKSHOP/SHORT PAPERS

W1) **How XAI May Be Exploited To Create Seemingly Blameworthy AI**

Gabriel Lima, Nina Grgić-Hlača, Meeyoung Cha, Jin Keun Jeong

Human-Centered Explainable AI (HCXAI) Workshop at the 2022 CHI Conference on Human Factors in Computing Systems. 2022

W2) **Will Punishing Robots Become Imperative in the Future?**

Gabriel Lima, Chihyung Jeon, Meeyoung Cha, Kyungsin Park

Extended Abstracts of the CHI Conference on Human Factors in Computing Systems. 2020

<https://doi.org/10.1145/3334480.3383006>

W3) **Descriptive AI Ethics: Collecting and Understanding the Public Opinion**

Gabriel Lima, Meeyoung Cha

Ethics in Design Workshop at the ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW). 2020

<https://arxiv.org/abs/2101.05957>

W4) **Responsible AI and Its Stakeholders**

Gabriel Lima, Meeyoung Cha

Fair and Responsible AI Workshop at 2020 CHI Conference on Human Factors in Computing Systems. 2020

<https://arxiv.org/abs/2004.11434>