

Gabriel Lima

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Last Updated: April, 2025

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

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/10.1145/3531146.3534628>

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>

HONORS AND AWARDS

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.

ACM EAAMO New Horizons Award

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 (CURP) Funding

2018

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

SERVICE

Co-Founder & Member of the MPI-SP Ethics Review Board (ERB)

2024 - Present

Designed and implemented all processes relevant to the Ethics Review Board (ERB) at MPI-SP.

Currently a member of the board, being responsible for reviewing studies.

PhD Representative for MPI-SP

Apr. 2024 - Present

Responsible for representing MPI-SP PhD students in meetings discussing student-related issues at MPI-SP and the Max Planck Society.

Member of the Max Planck Law | Tech | Society Initiative

Dec. 2023 - Present

Hosted speakers on topics in the intersection of law, technology, and society, and organized symposiums for graduate students from all around the world.

Reviewer

ACM Conference on Human Factors in Computing Systems (CHI) 2022 - 2025

ACM Conference on Fairness, Accountability, and Transparency (FAccT) 2023

Equity and Access in Algorithms, Mechanisms, and Optimization (EAAMO) 2023

ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW) 2022

ACM Conference on Human Factors in Computing Systems (CHI) - Late Breaking Work 2022 - 2023

International Journal of Human-Computer Studies 2022

We Robot Conference 2021

WORK EXPERIENCES

Teaching Assistant - Privacy, Data Governance and Usability

Ruhr University Bochum, Oct. 2023 - Feb. 2025

Responsible for grading students' assignments and assisting with administrative tasks.

Research Intern

Max Planck Institute for Software Systems (MPI-SWS), Jun. 2023 - Aug. 2023

Supervisor: Elissa Redmiles.

Teaching Assistant - Data Science Methodology (CS564)

KAIST, Aug. 2021 - Jun. 2022

Responsible for preparing and grading students' assignments, projects, and presentations and assisting with administrative tasks.

Teaching Assistant - Scientific Writing (CC500)

KAIST, Aug. 2021 - Dec. 2021

Responsible for grading students' research papers and assisting with administrative tasks.

MEDIA/ACADEMIC COVERAGE

Impacts: Law and AI - Max Planck Law

Oct. 2024

Reference to my ACM FAccT 2022 paper titled "The Conflict Between Explainable and Accountable Decision-Making Algorithms."

<https://law.mpg.de/impact/law-and-ai/>

Should Robots With Artificial Intelligence Have Moral or Legal Rights? - The Wall Street Journal Apr. 2023

Reference to my ACM CSCW 2020 paper titled "Collecting the Public Perception of AI and Robot Rights."

<https://www.wsj.com/articles/robots-ai-legal-rights-3c47ef40>

PUBLICATIONS LIST

Conferences are the primary publication venues for computer science/human-computer interaction (CS/HCI) research. Thus, the majority of my research is published in CS/HCI conference proceedings.

* denotes co-first authorship.

P1) **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>

P2) **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>

P3) **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>

P4) **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, Chiyong Cha, Junghoi Choi, Meeyoung Cha

Journal of Medical Internet Research (JMIR). 2023

<http://dx.doi.org/10.2196/40922>

P5) **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>

P6) **Others Are to Blame: Whom People Consider Responsible for Online Misinformation**

Gabriel Lima, Jiyoung Han, Meeyoung Cha

Proceedings of the ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW). 2022

<https://doi.org/10.1145/3512953>

P7) **Emotion Bubbles: Emotional Compositions of Online Discourse Before and After the COVID-19 Outbreak**

Assem Zhunis, Gabriel Lima, Hyeonho Song, Jiyoung Han, Meeyoung Cha

- P8) **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
- P9) **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>
- P10) **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>
- P11) **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
- P12) **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>
- P13) **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>
- P14) **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>
- P15) **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>
- P16) **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>
- P17) **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>

P18) **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>

P19) **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>