

Gabriel Lima

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RESEARCH INTERESTS

I am a computer scientist interested in understanding people's perception of artificial intelligence (AI) and how it will morally and legally affect our society. I am currently working towards understanding how the general public assigns responsibility for the actions of AI and robots. My research's main objective is to study how people perceive the moral agency and patiency of automated systems to embed their opinion on normative discussions of the responsibility gap. I'm also interested in examining how we could include automated systems into our social and moral practices.

EDUCATION

Korea Advanced Institute of Science and Technology (KAIST) M.S. in Computer Science. Advisor: Meeyoung Cha.	<i>Daejeon, South Korea, Mar. 2021 - Present</i>
Korea Advanced Institute of Science and Technology (KAIST) Advanced B.S. in Computer Science (with honors).	<i>Daejeon, South Korea, Feb. 2017 - Feb. 2021</i>
École Polytechnique Fédérale de Lausanne (EPFL) Exchange Semester at the School of Computer and Communication Sciences.	<i>Lausanne, Switzerland, Sep. 2019 - Feb. 2020</i>
Colégio Técnico de Limeira (COTIL) - UNICAMP Computer Science Technical High School.	<i>Limeira, Brazil, Feb. 2013 - Dec. 2015</i>

CONFERENCE PAPERS

Human Perceptions on Moral Responsibility of AI: A Case Study in AI-Assisted Bail Decision-Making

Gabriel Lima, Nina Grgić-Hlača, Meeyoung Cha.

ACM CHI 2021. (Acceptance Rate: 26.3%)

Collecting the Public Perception of AI and Robot Rights

Gabriel Lima, Changyeon Kim, Seungho Ryu, Chihyung Jeon, Meeyoung Cha.

ACM CSCW 2020.

Will Punishing Robots Become Imperative in the Future?

Gabriel Lima, Chihyung Jeon, Meeyoung Cha, Kyungsin Park.

ACM CHI 2020 - Late Breaking Works.

Explaining the Punishment/Liability Gap of AI and Robots

Kyungsin Park, **Gabriel Lima**, Meeyoung Cha, Chihyung Jeon.

We Robot 2020.

Robots for Class President: Children's Positions Toward AI Robot Rights

Gabriel Lima, Sungkyu Park, Meeyoung Cha.

Korea Computer Congress 2019 (KCC 2019).

Speech Emotion Classification using Raw Audio Input and Transcriptions

Gabriel Lima, JinYeong Bak.

International Conference on Signal Processing and Machine Learning 2018 (SPML 2018).

Received the Best Presentation Award.

JOURNAL PAPERS

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.

WORKSHOP PAPERS

Descriptive AI Ethics: Collecting and Understanding the Public Opinion

Gabriel Lima, Meeyoung Cha.

Ethics in Design Workshop - ACM CSCW 2020.

Responsible AI and Its Stakeholders

Gabriel Lima, Meeyoung Cha.

Fair and Responsible AI Workshop - ACM CHI 2020.

WORK EXPERIENCES

Data Science Group, Institute for Basic Science

Daejeon, South Korea, Jan. 2019 - Feb. 2021

Research Intern. Advisor: Meeyoung Cha.

School of Humanities & Social Sciences, KAIST

Daejeon, South Korea, Aug. 2018 - Dec. 2018

Teaching Assistant of the English as a Foreign Language (EFL) Program.

HONORS AND AWARDS

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.

Best Presentation Award

Nov. 2018

Received at the International Conference on Signal Processing and Machine Learning 2018 (SPML 2018).

KAIST GURP Funding

Jan. 2018

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

ACADEMIC SERVICES

Reviewer

We Robot Conference

2021

INVITED PRESENTATIONS

Conference for Truth and Trust Online 2020

Oct. 2020

Invited to present the work titled "*Insights Learnt from a Misinformation Study: COVID-19 Infodemic Attacks Vulnerable Nations the Most.*"

IT and Law Conference

Aug. 2020

Invited to present the work titled "*The Punishment Gap: The Unmet Desire to Punish AI and Robots Upon Damages.*"

Nokia Bell Labs Students' Day

Nov. 2019

Invited to present the poster titled "*Exploring Electronic Legal Personhood Through the Eyes of the General Population.*"

BLOG POSTS AND PROJECTS

Medium Posts

The Growth of AI and Machine Learning in Computer Science Publications.

A Quick Analysis of Movie Duration Based on Its Genre and Rating.

My Spotify Playlists' Sentiment, Track Popularity and Genre Analysis.

Data Stories

Analyzing Quality of Food Across Economic and Racial Groups in Chicago.