

# 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 AI 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 identify and solve public contradictions (e.g., the punishment gap) on this topic so the public's opinion can be successfully embedded in policymaking.

## EDUCATION

### Korea Advanced Institute of Science and Technology (KAIST)

*Daejeon, South Korea, Feb. 2017 - Present*

Advanced B.S. in Computer Science.

### École Polytechnique Fédérale de Lausanne (EPFL)

*Lausanne, Switzerland, Sep. 2019 - Feb. 2020*

Exchange Semester at the School of Computer and Communication Sciences.

### Colégio Técnico de Limeira (COTIL) - UNICAMP

*Limeira, Brazil, Feb. 2013 - Dec. 2015*

Computer Science Technical High School.

## PUBLICATIONS

### 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.

### Responsible AI and Its Stakeholders

**Gabriel Lima**, Meeyoung Cha.  
Fair and Responsible AI Workshop - ACM CHI 2020.

### 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.**

## PAPERS UNDER REVIEW

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### Explaining the Punishment Gap of AI and Robots

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

Under Review. Preprint available on arXiv.

### Public Willingness to Get Vaccinated Against COVID-19: How AI-Developed Vaccines Can Affect Acceptance

Gabriel Lima, Hyeyoung Hwang, Chiyoun Cha, Meeyoung Cha.

Under Review. Preprint available on arXiv.

## WORK EXPERIENCES

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### Data Science Group, Institute for Basic Science

Daejeon, South Korea, Jan. 2019 - Present

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

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### 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).

## INVITED PRESENTATIONS

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### 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 UNPUBLISHED MANUSCRIPTS

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### 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.

### Unpublished Papers

How Presidential Candidates and Parties Tweeted During the 2018 Brazilian Election.