Kristina Gligorić CV

gligoric@jhu.edu
https://kristinagligoric.com/

Professional experience

Johns Hopkins University Oct. 2025 - Present
Tenure Track Assistant Professor, Computer Science Department *Baltimore MD, US*
Member of the Data Science and AI Institute (DSAI) and the Center for Language and Speech Processing (CLSP)

Google Jul. 2019 - Oct. 2019
Research Intern, mentors: Shailesh Bavadekar and Dr. Evgeniy Gabrilovich *Palo Alto CA, US*

Max Planck Institute for Software Systems Jul. 2016 - Oct. 2016
Undergraduate Research Intern, mentor: Prof. Krishna P. Gummadi *Saarbrucken, Germany*

Education

Stanford Dec. 2022 – Sep. 2025
Postdoctoral Scholar, Computer Science Department *Stanford CA, US*
Mentor: Prof. Dan Jurafsky

EPFL Sep. 2017 – Nov. 2022
PhD in Computer and Communication Sciences *Lausanne, Switzerland*
Mentor: Prof. Robert West
PhD Thesis: Computational Approaches for Studying Dietary Behaviors with Digital Traces, available at: **URL**
Thesis Committee: Munmun De Choudhury, Tim Althoff, Daniel Gatica-Perez, Martin Jaggi, Robert West

University of Novi Sad Sep. 2013 – Jul. 2017
Bachelor with Honors in Electrical and Computer Engineering *Novi Sad, Serbia*

Selected awards

Rising Star in EECS (MIT), 2024

Rising Star in GenAI (University of Massachusetts Amherst), 2024

Rising Star in Data Science (University of Chicago), 2023

Cornell Future Faculty Symposium Scholar, 2023

EPFL Thesis Distinction (top 8% EPFL theses), 2023

Stanford Impact Labs Postdoctoral Fellow

ICWSM Best Reviewer Award, 2021, 2023

CSCW Special Recognition for Outstanding Review, 2022

CSCW Best Paper Honorable Mention Award, 2021

EPFL Dean's Recognition for Outstanding Performance, 2021

EPFL Best Teaching Assistant Award, 2018

EPFL Doctoral Fellowship for PhD Program in Computer Science, 2017

University of Novi Sad Award for Excellent Performance (top 2% students), 2015–2018

Grants (PI)

Swiss National Science Foundation Postdoc Grant Funding, 2022 (**$130,000**)

Stanford HAI Student Affinity Group Funding Grant (SocialNLP), 2023 (**$1,000**)

ICWSM Student Grant, 2018, 2021 (**$1,000**)

Grants (Co-PI)

Stanford HAI Seed Grant Funding, 2024 (**Co-PI, $75,000**)

Stanford Plant Based Diet Initiative Seed Grant Funding, 2024 (**Co-PI, $10,000**)

Preprints

*: Equal contributions, †: Advised students.

1. Valid Survey Simulations with Limited Human Data: The Roles of Prompting, Fine-Tuning, and Rectification.
   Stefan Krsteski, Giuseppe Russo, Serina Chang, Robert West, and **Kristina Gligorić**.
   Preprint. Full text available at: **URL**.

2. Attention to Non-Adopters.
   Kaitlyn Zhou, **Kristina Gligorić**, Myra Cheng, Michelle S. Lam, Vyoma Raman, Boluwatife Amin, Caeley Woo, Michael Brockman, Hannah Cha, and Dan Jurafsky.
   Preprint. Full text available at: **URL**.

3. AI for Sustainable Future Foods.
   Bianca Datta, Markus J. Buehler, Yvonne Chow, **Kristina Gligorić**, Dan Jurafsky, David L. Kaplan, Rodrigo Ledesma-Amaro, Giorgia Del Missier, Lisa Neidhardt, Karim Pichara, Benjamin Sanchez-Lengeling, Miek Schlangen, Skyler R. St. Pierre, Ilias Tagkopoulos, Anna Thomas, Nicholas J. Watson, and Ellen Kuhl.
   Preprint. Full text available at: **URL**.

4. Meat-Free Day Reduces Greenhouse Gas Emissions but Poses Challenges for Customer Retention and Adherence to Dietary Guidelines.
   Giuseppe Russo, **Kristina Gligorić**, Vincent Moreau, and Robert West.
   Presented at IC^2S^2 2025 (oral).
   Preprint. Full text available at: **URL**.

Peer-reviewed publications

*: Equal contributions, †: Advised students.

1. What can Large Language Models do for Sustainable Food?
   Anna Thomas†, Adam Yee, Andrew Mayne, Maya Mathur, Dan Jurafsky, **Kristina Gligorić**.
   The International Conference on Machine Learning (**ICML**), 2025.
   Full text available at: **URL**.
   Also presented at **AI & Scientific Discovery Workshop at NAACL** and at **Tackling Climate Change with Machine Learning Workshop at ICLR**, 2025.

2. Can Unconfident LLM Annotations Be Used for Confident Conclusions?
   Kristina Gligorić*, Tijana Zrnić*, Cinoo Lee*, Emmanuel Candès, and Dan Jurafsky.
   Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics (**NAACL, oral**), 2025.
   Also presented at IC^2S^2 2025 (oral).
   Full text available at: **URL**.

3. People who share encounters with racism are silenced online by humans and machines, but a guideline-reframing intervention holds promise.
Cinoo Lee*, **Kristina Gligorić***, Ria Kalluri*, Maggie Harrington*, Esin Durmus, Kiara Sanchez, Nay San, Danny Tse†, Justine Zhang, Xuan Zhao, MarYam Hamedani, Hazel Markus, Dan Jurafsky, Jennifer L. Eberhardt.
Proceedings of the National Academy of Sciences **(PNAS)**, 2024.
Also presented at IC^{2}S^2 2025 (spotlight; **top 1.5% submissions**).
Full text available at: **URL**.

4. Food Choice Mimicry on a Large University Campus.
Kristina Gligorić, Arnaud Chiolero, Emre Kıcıman, Ryen W. White, Eric Horvitz, and Robert West.
PNAS Nexus, 2024.
Preprint available at: **URL**.

5. In-class Data Analysis Replications: Teaching Students while Testing Science.
Kristina Gligorić*, Tiziano Piccardi*, Jake Hofman, Robert West.
Harvard Data Science Review **(HDSR)**, 2024.
Also presented at IC^{2}S^2 2023 (oral).
Full text available at: **URL**.

6. Measuring and Shaping the Nutritional Environment via Food Sales Logs: Case Studies of Campus-Wide Food Choice and a Call to Action.
Kristina Gligorić, Robin Zbinden†, Arnaud Chiolero, Emre Kiciman, Ryen W. White, Eric Horvitz, Robert West.
Frontiers in Nutrition, 2024.
Full text available at: **URL**.

7. NLP Systems That Can't Tell Use from Mention can Censor Counterspeech, but Teaching the Distinction Helps.
Kristina Gligorić, Myra Cheng†, Lucia Zheng†, Esin Durmus, Dan Jurafsky.
Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics **(NAACL)**, 2024.
Also presented at IC^{2}S^2 2024 (oral) and Trust & Safety Research Conference 2025 (oral).
Full text available at: **URL**. Also presented at the Stanford Trust and Safety Research Conference 2025 (oral research talk).

8. Grounding Gaps in Language Model Generations.
Omar Shaikh*†, **Kristina Gligorić***, Ashna Khetan†, Matthias Gerstgrasser, Diyi Yang, Dan Jurafsky.
Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics **(NAACL)**, 2024.
Full text available at: **URL**.

9. Othering and low prestige framing of immigrant cuisines in US restaurant reviews and large language models.
Yiwei Luo†, **Kristina Gligorić**, Dan Jurafsky.
Proceedings of the International AAAI Conference on Web and Social Media **(ICWSM)**, 2024.
Also presented at IC^{2}S^2 2023 (oral).
Full text available at: **URL**.

10. AnthroScore: A Computational Linguistic Measure of Anthropomorphism.
Myra Cheng†, **Kristina Gligorić**, Tiziano Piccardi, Dan Jurafsky.
Proceedings of the Conference of the European Chapter of the Association for Computational Linguistics **(EACL)**, 2024.
Also presented at IC^{2}S^2 2024 (oral).
Full text available at: **URL**.

11. Revealed versus potential spatial accessibility of healthcare and changing patterns during the COVID-19 pandemic.
    Kristina Gligorić*, Chaitanya Kamath*, Daniel Weiss*, Shailesh Bavadekar, Yun Liu, Tomer Shekel, Kevin Schulman*, and Evgeniy Gabrilovich*.
    Nature Communications Medicine, 2023.
    Full text available at: **URL**.

12. Linguistic effects on news headline success: Evidence from thousands of online field experiments (Registered Report).
    Kristina Gligorić, George Lifchits†, Robert West and Ashton Anderson.
    PLOS ONE, 2023.
    Full text available at: **URL**.

13. Biased Bytes: On the Validity of Estimating Food Consumption from Social Media Images.
    Kristina Gligorić, Irena Djordjevic† and Robert West.
    Proceedings of the ACM on Human-Computer Interaction **(CSCW)**, 2022.
    Also presented at IC^2S^2 2023 (oral).
    Full text available at: **URL**.

14. Anticipated versus Actual Effects of Platform Design Change: A Case Study of Twitter's Character Limit.
    Kristina Gligorić, Justyna Czestochowska†, Ashton Anderson and Robert West.
    Proceedings of the ACM on Human-Computer Interaction **(CSCW)**, 2022.
    Also presented at IC^2S^2 2023 (poster).
    Full text available at: **URL**.

15. Population-scale dietary interests during the COVID-19 pandemic.
    Kristina Gligorić, Arnaud Chiolero, Emre Kiciman, Ryen W White and Robert West.
    Nature Communications, 2022.
    Featured in Public Health Editors' Highlights.
    Also presented at IC^2S^2 2022 (oral).
    Full text available at: **URL**.

16. On the Context-Free Ambiguity of Emoji.
    Justyna Czestochowska*†, **Kristina Gligorić***, Maxime Peyrard, Yann Mentha†, Michał Bień†, Andrea Grütter, Anita Auer, Aris Xanthos and Robert West.
    Proceedings of the International AAAI Conference on Web and Social Media **(ICWSM)**, 2022.
    Full text available at: **URL**.

17. Laughing Heads: Can Transformers Detect What Makes a Sentence Funny?
    Maxime Peyrard, Beatriz Borges†, **Kristina Gligorić** and Robert West.
    Proceedings of the International Joint Conference on Artificial Intelligence **(IJCAI)**, 2021.
    Full text available at: **URL**.

18. Formation of Social Ties Influences Food Choice: A Campus-wide Longitudinal Study.
    Kristina Gligorić, Ryen W White, Emre Kiciman, Eric Horvitz, Arnaud Chiolero and Robert West.
    Proceedings of the ACM on Human-Computer Interaction **(CSCW)**, 2021.
    Best Paper Honorable Mention Award.
    Also presented at IC^2S^2 2021 (oral).
    Full text available at: **URL**.

19. Linguistic effects on news headline success: Evidence from thousands of online field experiments (Registered Report Protocol).
    Kristina Gligorić, George Lifchits†, Robert West and Ashton Anderson.
    PLOS ONE, 2021.
    Also presented at IC^2S^2 2022 (poster).
    Full text available at: **URL**.

20. Sudden Attention Shifts on Wikipedia Following COVID-19 Mobility Restrictions.
    Manoel Horta Ribeiro*, **Kristina Gligorić***, Maxime Peyrard*, Florian Lemmerich, Markus Strohmaier and Robert West.
    Proceedings of the International AAAI Conference on Web and Social Media (**ICWSM**), 2021.
    Also presented at IC^{2}S^2 2021 (oral).
    Full text available at: **URL**.

21. Global maps of travel time to healthcare facilities.
    Daniel Weiss, Andrew Nelson, Camilo Vargas-Ruiz, **Kristina Gligorić**, Shailesh Bavadekar, Evgeniy Gabrilovich, Amelia Bertozzi-Villa, Jennifer Rozier, Harry Gibson, Tomer Shekel, Chaitanya Kamath, Allison Lieber, Kevin Schulman, Yang Shao, Vesa Qarkaxhija, Anita Nandi, Suzanne Keddie, Susan Rumisha, Punam Amratia, Rohan Arambepola, Elisabeth Chestnutt, Justin Millar, Tasmin Symons, Ewan Cameron, Katerine Battle, Samir Bhatt and Peter Gething.
    Nature Medicine, 2020.
    Full text available at: **URL**.

22. Causal Effects of Brevity on Style and Success in Social Media.
    Kristina Gligorić, Ashton Anderson and Robert West.
    Proceedings of the ACM on Human-Computer Interaction (**CSCW**), 2019.
    Also presented at IC^{2}S^2 2019 (oral).
    Full text available at: **URL**.

23. Comparing and Developing Tools to Measure the Readability of Domain-Specific Texts.
    Elissa Redmiles, Lisa Maszkiewicz, Emily Hwang, Dhruv Kuchhal, Everest Liu, Miranda Morales, Denis Peskov, Sudha Rao, Rock Stevens, **Kristina Gligorić**, Sean Kross, Michelle Mazurek and Hal Daume III.
    Proceedings of the Conference on Empirical Methods in Natural Language Processing (**EMNLP**), 2019.
    Full text available at: **URL**.

24. Message Distortion in Information Cascades.
    Manoel Ribeiro†, **Kristina Gligorić** and Robert West.
    Proceedings of the ACM on Web Conference (**TheWebConf**), 2019.
    Also presented at IC^{2}S^2 2019 (oral).
    Full text available at: **URL**.

25. How Constraints Affect Content: The Case of Twitter's Switch from 140 to 280 Characters.
    Kristina Gligorić, Ashton Anderson and Robert West.
    Proceedings of the International AAAI Conference on Web and Social Media (**ICWSM**), 2018.
    Full text available at: **URL**.

26. Visible Light Communication Based Indoor Positioning via Compressed Sensing.
    Kristina Gligorić, Manisha Ajmani, Dejan Vukobratović and Sinan Sinanović.
    IEEE Communication Letters, 2018.
    Full text available at: **URL**.

Workshop and tutorial organization

1. **Bridging Human and LLM Annotations for Statistically Valid Computational Social Science**.
   Kristina Gligorić, Tijana Zrnic and Cinoo Lee.
   IC^{2}S^2 2025.

Teaching

Social NLP reading group (Stanford), Co-organized with Prof. Diyi Yang
Winter 2022-2023, Spring 2022-2023, Fall 2023-2024, Winter 2023-2024, Spring 2023-2024

Applied Data Analysis (EPFL CS-401), **Head TA** (300+ students, coordinating 20 teaching assistants)
Fall 2018-2019, Fall 2019-2020, Fall 2020-2021, Fall 2021-2022
EPFL Best Teaching Assistant Award
Developed a replication activity and published the results (HDSR)

Data Visualization (EPFL COM-480), Teaching Assistant (100+ students)
Spring 2019-2020, Spring 2020-2021

Analysis II (EPFL MATH-106), Teaching Assistant
Spring 2018-2019

Leadership and Service

Organization of conferences
Wiki Workshop 2026 Research Track Co-chair
CSCW 2023 Meta Co-chair
WebSci 2023 Proceedings Chair
ICWSM 2022 Sponsorship Co-chair
ICWSM 2021 Student Volunteer

Conference Program Area Chair
ACL ARR Area Chair (AC) 2026
CHI Associate Chair (AC) 2026
ICWSM Senior Program Committee Member (SPC) 2023, 2024, 2025, 2026
CSCW Associate Chair (AC) 2023, 2024
EMNLP Area Chair (AC) 2023

PC Member
ACL ARR 2025
COLM 2024, 2025
FAccT 2024
IC^{2}S^2 2023, 2024
Wiki Workshop 2020, 2021, 2022, 2023, 2024, 2025
WSDM 2023
TheWebConf 2022, 2023
ICWSM 2021, 2022, 2023
CIKM 2020, 2021
WebSci 2022, 2023
EMNLP 2021
ACL 2021

Ad-hoc Reviewer
Nature Human Behaviour 2025
PNAS Nexus 2025
The Review of Communication 2025
Science Advances 2024
Nature Communications Medicine 2023
Minds and Machines 2024
EPJ Data Science 2022, 2023, 2024
TheWebConf 2020
CSCW 2019, 2021, 2022
ICWSM 2020, 2022

Institutional responsibilities
PhD admissions committee Jan. 2022 (EPFL School of Computer and Communication Sciences)

Mentorship

At JHU

Master Students
2025: Dibakar Chaudhary, Jason Sun, Muhammad Faayez, Sathvik Napa, Joy Bhalla

Undergraduate Students
2025: Crystal Chen, Navya Mehrotra, Maria Thomas, Cicely Zhu

At Stanford

PhD Students
2024: Anna Thomas, Lucia Zheng, Myra Cheng
2023: Omar Shaikh, Yiwei Luo

Undergraduate Students
2025: Alex Kim
2024: Bolu Aminu, Michael Brockman, Sofia Kim, Caeley Woo, and Ashna Khetan
2023: Danny Tse, Emily Wonyoung Park, and Natalie Carrie Wang

Summer Research Interns
2024: Sofia Kim

At EPFL

Master Students
2025: Stefan Krsteski
2021: Francis Murray, Marie Biolkova, Andrea Perozziello
2020: Justyna Czestochowska, Michał Bień, Jeremy Plassmann, Jonathan Labhard, Robin Zbinden, Nicolas Jomeau, Davit Martirosyan, Yann Mentha, George Lifchits
2019: Andre Adel Alphonse Ghattas, Beatriz Borges, Andrea Veneziano, Leonore Guillain, Maria-Smaranda Pandele
2018: Martin Milenkoski, Nicolas Zimmermann, Viktor Janevski, Stratos Triantafyllou
2017: Nuno Goncalves, Timothee Lottaz, Boris Fluckiger

Summer Research Interns
2021: Irena Djordjevic
2020: Gorjan Popovski
2018: Manoel Ribeiro

Undergraduate Students
2020: Mohamed Elasfoury, Loic Houmard

Invited talks

Bridging Human and LLM Annotations for Statistically Valid Computational Social Science

Aug 2025, **The Summer Institute in Computational Social Science at Stanford**

AI-assisted Interventions to Promote Sustainable Habits

Nov 2025, **C40 working group of U.S. city government officials focused on improving food procurement and reducing food waste**

Jun 2025, **Santa Clara University, Department of Computer Science and Engineering**

AI-assisted Interventions to Promote Healthy and Sustainable Habits

Mar 2025, **Stanford, School of Engineering**

Feb 2025, **Georgia Tech, School of Interactive Computing**

Feb 2025, **Yale, Department of Statistics and Data Science**

Feb 2025, **University of Washington, Information School**

Feb 2025, **Cornell, Department of Information Science**

Jan 2025, **University of Michigan, School for Environment and Sustainability**

Jan 2025, **UT Austin, School of Information**

Dec 2024, **Johns Hopkins University, Computer Science Department**

Dec 2024, **Columbia, Business School**

Dec 2024, **Rutgers, Library and Information Science Department**

AI for Fostering Constructive Online Conversations

Nov 2024, **Stanford Race and NLP Class (CS 329R)**

Nov 2024, **Amazon, Science Speakers series**

May 2024, **USC, Information Sciences Institute AI Seminar**

May 2024, **EPFL Alumni West Coast Chapter**

May 2024, **Stanford NLP for Computational Social Science Class (CS 224C)**

Apr 2024, **Université Grenoble Alpes, NLP Seminar**

Apr 2024, **Cambridge University, Language Technology Lab Seminar**

Dec 2023, **Stanford Race and NLP Class (CS 329R)**

Computational Approaches for Measuring Dietary Behaviors and Nudging Towards Sustainability

Nov 2024, **Stanford Climate Cognition and Sustainability & Social Change Lab**

In-class Data Analysis Replications: Teaching Students while Testing Science

Jan 2024, **University of Toronto**

What Big Data and Big Models Bring to the Table (The Cassandra Project round-table)

Feb 2023, **UC Berkeley** (NLP Seminar)

Sudden Attention Shifts on Wikipedia During the COVID-19 Crisis

Feb 2022, **The Wikimedia Research Showcase**

Population-scale Dietary Interests During the COVID-19 Pandemic

Jun 2021, **Applied Machine Learning Days, EPFL**

Public outreach

Teaching and mentoring high-school students
Undergraduate Teaching Assistant at Petnica Science Center, Serbia, 2014 - 2017
Mentored summer projects, led tutorials including calculus, linear algebra, and programming languages.

Girls Coding
Volunteer at activities teaching girls between 9 and 16 years old to code.

References

1. **Prof. Dan Jurafsky**
   Professor of Computer Science, Reynolds Professor in Humanities, and Professor of Linguistics
   Stanford University
   contact: jurafsky@stanford.edu

2. **Prof. Robert West**
   Associate Professor of Computer Science
   EPFL
   contact: robert.west@epfl.ch

3. **Prof. Jennifer L. Eberhardt**
   The William R. Kimball Professor of Organizational Behavior and Professor of Psychology
   Stanford University
   contact: eberhard@stanford.edu

4. **Prof. Ashton Anderson**
   Associate Professor of Computer Science
   University of Toronto
   contact: ashton@cs.toronto.edu