

ALINA HERDERICH

Graz University of Technology, Institute of Interactive Systems and Data Science | PhD Candidate
Harvard Business School, Digital Emotions Lab (Goldenberg Lab) | Visiting Fellow

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EDUCATION

2021 - today	PhD (Dr. rer. nat.) Computer Science Graz University of Technology, Institute of Interactive Systems and Data Science, Computational Social Science Lab Austria Advisor: Prof. David Garcia Thesis: Construct-ER: A computational approach to the development of emotion regulation theory and measurement
2019 - 2020	Computer Science Certificate (25 ECTS), Route 63 Graz University of Technology Grade: 1.0 (12th March 2020)
2018 - 2020	M.Sc. Psychology University of Graz Advisor: Prof. Harald Freudenthaler Thesis: How Does Flexibility in Emotion Regulation Relate to Dimensions of Adaptivity? Development and Validation of a New Measure for ER Repertoire and Flexibility. Grade: 1.1 (30th September 2020)
2016 - 2018	B.Sc. Psychology University of Graz Grade: 1.3 (19th March 2018)
2013	Chinese Language & Culture Studies (20 ECTS), exchange semester Shanghai Normal University Grade: 90/100
2011 - 2015	B.Sc. Business Psychology & Economics University of Lüneburg Grade: 1.5 (24th March 2015)
2011	Abitur (German university entrance qualification) Albert-Schweitzer-Gymnasium Crailsheim Grade: 1.0 (07th July 2011)

QUALIFICATIONS

Natural Languages	German (mother tongue), English (C1), Chinese (B2), French & Spanish (~A2)
Programming Languages	Python, SQL
Prizes	High-School Diploma Prize of the German Mathematical Association

RESEARCH EXPERIENCE

09/2023 - 08/2024	Visiting Fellow @Goldenberg Lab, Harvard, Cambridge, Massachusetts, USA Research projects: Developing a taxonomy of reappraisal types, and investigating the relationship between emotion regulation and outcomes using social media data, supported by various scholarships (see <i>Funding</i>)
2021 - today	Doctoral Researcher @Graz University of Technology
2021 - today	Cooperation with Prof. Mirta Galesic @Santa Fe Institute, New Mexico, USA Research project on the effectiveness of counter speech strategies in online political discourse under the NSF grant <i>Exploration-exploitation tradeoff and opinion diversity in real-world groups</i> (Award ID: 1757211)
2018	Research Internship (3 months) Charité Universitätsmedizin Berlin, Department of Anesthesiology and Operative Intensive Care Medicine (CCM/CVK) Biomarker Development for Postoperative Cognitive Impairment in the Elderly (www.biocog.eu)

TALKS

03/2024	Annual Conference of the Society for Affective Science (SAS) 2024 , symposium presentation, symposium chair <i>Inferring a data-driven taxonomy of emotion regulation strategies with computational methods</i> , in: Understanding affective experiences with natural language processing
02/2024	Annual Convention of the Society of Personality and Social Psychology (SPSP) 2024 , poster presentation <i>Inferring a data-driven taxonomy of emotion regulation strategies with computational methods</i>
07/2023	International Conference for Computational Social Science (IC2S2) 2023 <i>Improving discourse quality in online discussions: A large-scale, longitudinal study of influencing speech characteristics</i>
07/2023	International Conference on Network Science (NetSci) 2023 <i>Improving discourse quality in social media networks: A large-scale, longitudinal study of influencing speech characteristics</i>
06/2023	Chinese Bridge Competition Austria, 2nd place Language competition hosted by the Confucius Institute Vienna <i>'One World, One Nation' (天下一家) through the eyes of a psychologist</i>
08/2022	European Forum Alpbach Alpbach Technology Talks hosted by the Austrian Institute of Technology <i>Breaking the Wall of Emotional Well-Being</i>
06/2022	Conference of the Consortium of European Research on Emotion (CERE) 2022 <i>Deriving emotion regulation strategy classes using a computational grounded theory approach</i>

05/2022 **Falling Walls Lab Austria**, 2nd place
Competition, pitching an innovative research idea in just three minutes
Breaking the Wall of Emotional Well-Being

TEACHING

2021 **Workshop: A psychologist's guide to machine learning**
University of Zurich, for researchers at the department of psychology

2020 **Teaching Assistant Databases & Data Management**
Graz University of Technology

FUNDING

2023 - 2024 **Agency for Education and Internationalisation Austria, OeAD (19,920 €)**
Marietta Blau Scholarship to support visiting fellow activity at Harvard University in the academic year of 23/24 (partially claimed)

2023 - 2024 **Marshall Plan Foundation Austria (10,000 €)**
Scholarship to support visiting fellow activity at Harvard University in the academic year of 23/24

2023 - 2024 **German Academic Scholarship Foundation (24,300 USD)**
ERP scholarship to support visiting fellow activity at Harvard University in the academic year of 23/24 (partially claimed)

ADDITIONAL QUALIFICATIONS

07/2022 **Complexity-GAINS summer school (2 weeks)**
Santa Fe Institute, New Mexico & Complexity Science Hub, Vienna
Disintegration of societies: Quantitative modeling of complex socio-behavioral systems

2019 - 2021 **Data Team**
Graz University of Technology
Participating in data science challenges in teams
/ ASHRAE - Great Energy Predictor III (How much energy will a building consume?)
/ Jigsaw Multilingual Toxic Comment Classification (Identify toxic online comments.)
/ HuBMAP - Hacking the Kidney (Identify glomeruli in images of the human kidney.)

SERVICE

2022 - today **Doc School Speaker** and elected member of the **PhD Union**
Student representative for the student body of the Doctoral School of Computer Science, and all PhD students at TU Graz

OUTSIDE ACADEMIA

2015 - 2016	GGH Mullen Lowe Hamburg (advertising agency) Junior strategic planner E.ON, Seat, Fielmann, international new business
2015	FCB Hamburg (advertising agency, 6 months) Strategic planning internship NIVEA, international level
2014	Publicis Pixelpark (advertising agency, 6 months) Strategic planning internship Barmer GEK, Telekom, VISA, BNP Paribas, Swarovski

PUBLICATIONS

- Lasser, J.*, Herderich, A.*, Garland, J., Aroyehun, S. T., Garcia, D., & Galesic, M. (2023). Collective moderation of hate, toxicity, and extremity in online discussions. <https://arxiv.org/abs/2303.00357>
- Herderich, A., Freudenthaler, H. H., & Garcia, D. (2023). A Computational Method to Reveal Psychological Constructs from Text Data. <https://psyarxiv.com/s64tm>
- Röseler, L., Kaiser, L., Doetsch, C. A., Klett, N., Seida, C., Schütz, A., ... Zhang, Y., Mr. (2024). The Replication Database: Documenting the Replicability of Psychological Science. <https://doi.org/10.31222/osf.io/me2ub>

* shared first authorship