

CURRICULUM VITAE

MASHA MEDVEDEVA

PERSONAL INFORMATION

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PROFILE

Legal tech specialist and assistant professor with a strong background in AI and law. I work across legal, academic, and technical domains to develop tools that are both effective and accountable, focusing on where legal tech creates genuine value—and where it risks institutional harm. I teach Business Analytics, Machine Learning, and Legal Tech Prototyping, guiding students in applied projects that often explore the societal impact of technology in legal and public contexts.

My research spans legal judgment prediction, legal NLP, explainability in AI systems, and the broader implications of legal technology. I bring a strategic perspective to complex legal-technical problems, thinking beyond implementation toward long-term usability, safeguards against misuse, and alignment with legal and institutional realities. My work aims to advance practical, thoughtful tools that improve access to justice and support legal innovation that holds up in the real world.

RELEVANT WORK EXPERIENCE

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| 2023-
PRESENT | <p>Assistant Professor in Legal Technology
Department of Business Studies & eLaw – Center for Law and Digital Technologies, Faculty of Law, Leiden University</p> <ul style="list-style-type: none">• Conduct research in legal NLP, explainability, legal prediction, and tech-supported legal services.• Translate complex legal and technical topics into accessible, actionable insights for diverse audiences.• Teach Business Analytics, Machine Learning and Legal Tech to students with different academic backgrounds.• Organize and lead applied legal tech challenges in collaboration with external partners.• Led a project with Rechtspraak Midden-Nederland focused on merging databases to support institutional efficiency, and delivered workshops on the future of AI in courts.• Delivered workshops and presentations for Dutch legal institutions including the Public Prosecutor's Office, Rechtspraak, the Ministry of Justice and Security, and Rijksoverheid. Regularly invited to speak at international and national events on legal technology, including in keynote roles. |
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- 2022-2022 **Researcher** in Legal Technology
Department of Digital Security, Radboud University, Nijmegen
(collaboration with *Vrije Universiteit Brussel*)
- Evaluated legal tech products on the market and assessed claims around AI and automation.
 - Developed the [Typology of Legal Technologies](#) – an educational tool designed to help legal professionals understand the inner workings, claims, and limitations of legal tech solutions. This framework was used to systematically evaluate products on the market, combining product assessment with broader questions of societal impact and transparency.
- 2017-2022 **PhD candidate** in AI and Law
Centre for Language and Cognition Groningen & Department of Legal Science, University of Groningen
- Conducted research on NLP and court decision prediction.
 - Co-authored over 20 academic publications and presented at 25+ conferences.
 - Supervised research assistants and student theses.
 - Taught machine learning and natural language processing at undergraduate and graduate levels.
 - Managed and completed a 4.5-year interdisciplinary research project.

TECHNICAL SKILLS

- 14+ years of experience programming in Python, including 7 years applying it to legal data, with a focus on natural language processing tasks such as classification, information extraction, and transformer-based modeling.
- Skilled in assessing legal tech products and communicating model limitations and evaluation concerns clearly to legal and technical audiences.

SIDE PROJECTS

- **Peppercorn:** Built a small prototype to automatically check Dutch rental contracts for potential violations of tenant law. Project is currently paused.

EDUCATION

- 2017-2022 **PhD in AI & Law**
University of Groningen, the Netherlands
- 2015-2017 Joint Degree in Language and Communication Technologies (MSc/MA),
University of Groningen, the Netherlands & Saarland University, Germany
- 2011-2015 BA in Fundamental and Computational Linguistics
Higher School of Economics, Moscow, Russia

LANGUAGES

English (fluent), Russian (native), Dutch (B1, working toward fluency)

SELECTED PUBLICATIONS

Medvedeva, M. and McBride, P. (2023). Legal judgment prediction: If you are going to do it, do it right. In *Proceedings of the Workshops on Natural Legal Language Processing (NLLP) at EMNLP 2023*.

Medvedeva, M., Üstun, A., Xu, X., Vols, M., and Wieling, M. (2021). Automatic judgement forecasting for pending applications of the European Court of Human Rights. In *Proceedings of the Workshops on Automated Semantic Analysis of Information in Legal Text (ASAIL 2021)*. (code upon request)

Medvedeva, M., Dam, T., Wieling, M., and Vols, M. (2021). Automatically identifying eviction cases and outcomes within case law of Dutch courts of first instance. In *Legal Knowledge and Information Systems*, pages 13–22. IOS Press.

Medvedeva, M., Vols, M., and Wieling, M. (2019). Using Machine Learning to Predict Decisions of the European Court of Human Rights. *Artificial Intelligence and Law*, pages 1–30.

For full list of publications: <https://scholar.google.com/citations?user=Z5ktfYMAAAJ&hl=en>