

CURRICULUM VITÆ

SOPHIA KATRENKO

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Interests: sustainable AI, AI governance
Other: DBLP , Google Scholar

EXPERIENCE

VP of AI at EcoVadis,
Amsterdam, the Netherlands

02/2024-

- **Talent** Team growth to 27 FTEs (Science, Engineering) and introducing AI governance and operations
- **Enterprise AI strategy** AI champions community and enterprise AI tooling with the organisation-wide enablement plan, achieving over 85% of active AI usage across the organisation; **AI literacy program roll out** with 4 mandatory modules on AI foundations, responsible AI, genAI, and AI experiments design
- **GenAI** Integration of genAI in search relevance reranking, news summarisation, content generation and building AI assistants; introducing AI safety and red teaming
- **Publicity** organiser of the Shared Task for Cross-lingual Classification of Corporate Social Responsibility (CSR) Themes and Topics at LREC-CoLING 2024 • Abstract at Workshop on Artificial Intelligence in Supply Chain Management (AISUCMA) at ECAI 2024 • Solutions Partner with Certified Software Sustainability AI (Microsoft) 2025 • EcoVadis customer story by Microsoft 2025 • speaker at CDO AI Benelux summits on AI governance and the future of AI, 2024-2025 and Sustain 2025

Director of AI at EcoVadis,
Amsterdam, the Netherlands

11/2021-
01/2024

set up AI Center of Excellence responsible for AI solutions across the organisation

- **AI-assisted automation with HITL** supporting 500+ analysts
- **Partnerships** CIFRE grant from the French Ministry of Higher Education, Research, and Innovation (co-supervision of 1 PhD candidate with IRIT and Sorbonne) on answer generation for complex information needs

Head of Data Science at DEUS,
Amsterdam, the Netherlands

10/2020-
10/2021

co-authored 2 successful grant proposals • feasibility study on the potential of external data sets in the use cases for renewable energy • project for Dutch Ministry of Social Affairs to process collective labour agreements • thesis supervision (4 students, fairness in ML, informational retrieval, and QA)

Cognizant (AI & Analytics),	02/2019- 08/2020
Amsterdam, the Netherlands <i>presenting Cognizant's AI capabilities at commercial events and meetups (AIOps, prescriptive analytics) • cross-functional collaboration (engineering, org strategy, design) at client workshops • (hands on) demand forecasting to guide inventory optimisation, trend detection (computer vision), product recommenders for Nike (EMEA)</i>	
Head of Smart Content Capabilities at Elsevier,	10/2016- 12/2018
Amsterdam, the Netherlands <i>project lead for ML projects for Research Products: gathering requirements, planning, execution, stakeholder management, driving from PoC to production-alisation and going live (ScienceDirect Topic Pages) • projects with internal stakeholders to improve content quality (Data Science squad lead; ETL and analysis on Databricks; Scrum), engaging with the 3rd party providers, reporting on KPIs • team management (NLD and IND)</i>	
Team Lead Data Science at Elsevier,	04/2015- 09/2016
Amsterdam, the Netherlands <i>tech lead (hands-on) within Research Products for commercial bibliometrics projects (30+ individual contribution, 100+ as a team) a year for EMEA, APAC, and AMER, meeting and exceeding financial targets (e.g., interdisciplinary research for HEFCE, UK: methodology and execution; International comparative performance of the UK research base 2016 for the Department for Business, Energy and Industrial Strategy, UK) • THE World university ranking • data for national assessments • team management (NLD and JPN)</i>	
Data Scientist at Elsevier,	08/2014- 03/2015
Amsterdam, the Netherlands <i>data extraction and analysis of bibliometric data (Scopus and external sources) • serving governmental and funding bodies</i>	
Quantitative Analyst at Capital Tool Company,	04/2013- 06/2014
G-20 SME Finance Challenge winner Amsterdam, the Netherlands <i>default prediction for SME and programming for the TREFI platform (Java, Weka, MySQL, shell scripting) • monthly product updates • time series analysis (R) • reporting to the World Bank</i>	
Postdoctoral Researcher at Utrecht University, Utrecht, the Netherlands	2010 - 2013
<i>"Between logic and common sense" NWO project • reasoning in language (Java) • publishing • teaching • student supervision</i>	
Visiting Researcher at University of Oslo, Oslo, Norway	08 - 09/2011
<i>building a system for detecting inferences in text (Java)</i>	
Researcher at University of Amsterdam, Amsterdam, the Netherlands	2008 - 2010
<i>research on information extraction (Java, Perl) • publishing • teaching</i>	

PhD Researcher at University of Amsterdam, Amsterdam, the Netherlands <i>Adaptive Information Disclosure project (part of Virtual Lab e-science) • programming (Perl, Java) • publishing • teaching • collaboration with TNO and Wageningen Food & Biobased Research</i>	2004 - 2008
Researcher at Lviv Polytechnic University, Lviv, Ukraine <i>research on resolving ambiguities in Ukrainian (Perl, XSLT)</i>	2002 - 2004
Visiting Researcher at University of Tübingen, Tübingen, Germany <i>Virtual Patient project (Perl) • morpho - syntactic disambiguation in German</i>	11/2002 - 11/2003
Visitor at Bergakademie Freiberg, Freiberg, Germany <i>literature review on vagueness and ambiguities in language</i>	01/2002
Freelance journalist <i>articles (IT, analytics), interviewing top CMS providers</i>	2001 - 2002
Analyst at Golden Rain Advertising, Lviv, Ukraine <i>IS design and implementation, predictive models in advertising</i>	1999 - 2001

EDUCATION

<i>PhD in Computer Science,</i> University of Amsterdam, Amsterdam, the Netherlands	10.09.2009
<i>Title: "A Closer Look at Learning Relations from Text"</i> <i>Supervisor: Prof. Dr. P. W. Adriaans</i> <i>Committee: Prof. Dr. Colin de la Higuera, Prof. Dr. Guus Schreiber, Prof. Dr. Peter Slood, Prof. Dr. Maarten de Rijke, Prof. Dr. Bob Wielinga</i>	
<i>MSc in Computer Science (with distinction),</i> Department of Information Systems and Networks, National University Lviv Polytechnics, Lviv, Ukraine	2000-2001
<i>BSc in Computer Science (with distinction),</i> National University Lviv Polytechnics, Lviv, Ukraine	1996-2000
School 8 with advanced course in German (with the highest distinction) Lviv, Ukraine	1986-1996

PARTICIPATION IN CHALLENGES

DevPost 2021 hackathon winner • Concrete Noun Categorization (2008, top performing system on 6-way classification) • Genic Interaction Extraction Challenge (2005) • 2nd Recognising Textual Entailment Challenge (2006) • BioCreative II (2006) • TREC Genomics (2007)

AWARDS AND FELLOWSHIPS

DevPost hackathon winner	2021
Yggdrasil grant (29% selection rate; 26,000 NOK)	2011
EACL grant for participation in ESSLLI 2004	2004
Volkswagen Foundation stipend	2002/2003
Leonhard Euler fellowship	2001/2002
Lviv Municipality Stipend	1999

SERVICE

Board member “AI in Industry”, Benelux Association for AI	2021 -
Reviewer for the Austrian Research Promotion Agency	2025
PhD defense committee member at the University of Antwerp (A. Kosar)	2025
Expert evaluator at European Commission	2021 -
Mentor at “Hack the crisis NL”	2020
Mentor at Smart Tribe	2020
Startup mentoring	2019
Secretary of the Standing Committee of European Summer School in Logic, Language and Information, held annually in a different European city • around 500 participants	2007 - 2018
Reviewer for NLDB (2014, 2012), LREC (2020, 2018, 2014, 2012), ACL 2013, *SEM 2013, IEEE Transactions on Neural Networks and Learning Systems (2013), EACL Student Session 2012, PC CBMS 2012, PC Workshop on Relational Models of Semantics (RELMS) at ACL 2011, PC CogSci Conference 2010, IEEE CBMS (2010, 2009, 2008), HLI workshop at ECML PKDD 2008, ESSLLI Student Session 2007, MICAI 2006	

TECHNICAL SKILLS

platforms: *nix systems, Windows
languages: shell scripting, Python, Java, Perl, C++, Prolog
cluster-computing frameworks: Apache Spark
IDE: VS Code, PyCharm, Eclipse, NetBeans
database management: MySQL, Amazon DynamoDB, MS Access
database design tools: DFD and ERD in ERWin
data mining/ML tools and libraries: libsvm, keras, tensorflow, scikit-learn, R, Weka (API)
cloud computing: AWS
version control: svn, Git
other: Scrum (Certified Scrum Master 2015), Databricks, Elasticsearch, XML, XSLT, HTML, \LaTeX , Microsoft Office

RECENT PRESENTATIONS

Closing Keynote Panel: The Evolution and Future of AI: From GenAI to Quantum AI and the Tech Revolution. At CDO AI Benelux Summit.	June 12, 2025
Ethical AI Governance: Navigating the Moral Landscape of Data and Artificial Intelligence. At CDO AI Benelux Summit.	June 4, 2024
Cross-Lingual Classification of Corporate Social Responsibility Themes and Topics. At LREC-CoLING 2024.	2024

ORGANIZATION

Belgian-Dutch Conference in Machine Learning, together with Maarten van Someren and Pieter Adriaans Amsterdam, the Netherlands	2007
Organizer of ESSLLI Student Session, together with Janneke Huitink Malaga, Spain	2006
Co-organizer of the “Language and Computation” track at ESSLLI Student Session 2005, together with Tamás Biró Edinburgh, United Kingdom	2005

TEACHING

Learning in Computational Linguistics (lecturer, UU) student evaluation 2012: lecturer (overall)=4, lecturer (expertise)=4.5, course content=4.3, increased interest in subject=4.5 (max=5)	2011, 2012
Taal- en spraaktechnologie (co-lecturer, UU)	2011, 2012
Artificial Intelligence, Master in AI project (UvA)	2010
Capita in Machine Learning, Language and Speech (UvA)	2009, 2008, 2007
Language Learning (TA, UvA)	2007, 2006

PUBLICATIONS (SELECTION OUT OF 30+ PUBLICATIONS)

IN JOURNALS AND REFEREED PROCEEDINGS

Sophia Katrenko. *Could you make me a favour and do coffee, please?: Implications for Automatic Error Correction in English and Dutch*. In *Proceedings of the First Joint Conference on Lexical and Computational Semantics (*SEM)*, 2012.

Sophia Katrenko, Pieter Adriaans, and Maarten van Someren. Using Local Alignments for Relation Extraction. *International Journal of Artificial Intelligence Research (JAIR)*, impact factor 1.981 (ISI Web), 38:1–48, 2010.

M. Roos, M. S. Marshall, A. P. Gibson, M. Schuemie, E. Meij, S. Katrenko, W.R. van Hage, K. Krommydas, and P.W. Adriaans. Structuring and Extracting Knowledge for the Support of Hypothesis Generation in Molecular Biology. *BMC Bioinformatics*, 10(Supplement 10), 2009.

Sophia Katrenko and Pieter Adriaans. A Local Alignment Kernel in the Context of NLP. In *Proceedings of the 22nd International Conference on Computational Linguistics (Coling)*, Manchester, UK, 2008. [25% acceptance rate].

Sophia Katrenko and Pieter Adriaans. Semantic Types of Some Generic Relation Arguments: Detection and Evaluation. In *Proceedings of the 46th Annual Meeting of the Association for Computational Linguistics: Human Language Technologies (ACL/HLT)*, Columbus, USA, 2008. [26,8% acceptance rate].

THESES

Sophia Katrenko. *A Closer Look at Learning Relations from Text*. PhD thesis, University of Amsterdam, the Netherlands, 2009.

Sophia Katrenko. An Information System in the Advertising Branch. Master's thesis, National University Lviv Polytechnics, Ukraine, 2002.

EDITED VOLUMES

Janneke Huitink and Sophia Katrenko, editors. *Proceedings of the ESSLLI 2006 Student Session*. Malaga, Spain, 2006.

Pieter Adriaans, Sophia Katrenko, and Maarten van Someren, editors. *Proceedings of the Dutch-Belgian Conference on Machine Learning*. Amsterdam, the Netherlands, 2007.

NATURAL LANGUAGES

Ukrainian (*native*) • English (*fluent*) • Dutch (*very good*, passed Korte Vrijstellingstoets in 2010) • German (*fluent*, 10 years at school - from primary to high school, subjects: Deutsche Sprache, Deutsche Literatur, Landeskunde, Marketing, and Technische Übersetzung) • Polish (*very good*)

September 22, 2025