

Anej Svete

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EDUCATION

ETH Zürich, ETH AI Center <i>PhD in Computer Science</i>	Zürich, Switzerland <i>February 2023</i>
ETH Zürich <i>Master of Data Science</i> <ul style="list-style-type: none">GPA: 5.84/6.	Zürich, Switzerland <i>September 2020–January 2023</i>
University of Ljubljana <i>Bachelor of Computer Science and Mathematics</i> <ul style="list-style-type: none">GPA: 10/10.Top student in the department each year.	Ljubljana, Slovenia <i>October 2017–August 2020</i>
Stanford University <i>Two machine learning courses as part of my bachelor's degree</i>	Ljubljana, Slovenia <i>September 2019–March 2020</i>
Upper Secondary School of Electrical and Computer Engineering and Technical Gymnasium Ljubljana <i>High School</i> <ul style="list-style-type: none">Perfect score on Matura examination: 34/34	Ljubljana, Slovenia <i>September 2013–June 2017</i>

EXPERIENCE

Head Teaching Assistant <i>ETH Zürich</i>	Zürich, Switzerland
<i>Large Language Models</i>	<i>November 2022–Present</i>
<i>Natural Language Processing</i>	<i>September 2022–Present</i>
<i>Advanced Formal Language Theory</i>	<i>November 2021–Present</i>
Teaching Assistant <i>ETH Zürich</i>	Zürich, Switzerland
<i>Natural Language Processing</i>	<i>January 2021–February 2022</i>
<i>Philosophy of Language and Computation</i>	<i>August 2022–August 2023</i>
<i>Machine Learning for Healthcare</i>	<i>February 2022–June 2022</i>
<i>Machine Learning for Genomics</i>	<i>January 2022–June 2022</i>
<i>Computational Biomedicine</i>	<i>August 2021–February 2022</i>
Software Developer <i>XLAB</i>	June 2017 – September 2020 <i>Ljubljana, Slovenia</i>
Tutor for Mathematics <i>University of Ljubljana</i>	October 2018 – October 2019 <i>Ljubljana, Slovenia</i>

REFERENCES

- Ryan Cotterell, Anej Svete, Clara Meister, Tianyu Liu, and Li Du. *Formal Aspects of Language Modeling*. 2023. URL <https://arxiv.org/abs/2311.04329>.
- Clément Guerner, Anej Svete, Tianyu Liu, Alexander Warstadt, and Ryan Cotterell. A geometric notion of causal probing. *arXiv preprint arXiv:2307.15054*, 2023. URL <https://arxiv.org/abs/2307.15054>.
- Franz Nowak, Anej Svete, Li Du, and Ryan Cotterell. On the representational capacity of recurrent neural language models. In *Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing*, Singapore, Singapore, December 2023. Association for Computational Linguistics.
- Anej Svete and Ryan Cotterell. Recurrent neural language models as probabilistic finite-state automata. In *Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing*, Singapore, Singapore, December 2023a. Association for Computational Linguistics.
- Anej Svete and Ryan Cotterell. Efficiently representing finite-state automata with recurrent neural networks. *arXiv preprint arXiv:2310.05161v3*, 2023b. URL <https://arxiv.org/abs/2310.05161v3>.
- Anej Svete, Jakob Hostnik, and Lovro Šubelj. Ne gre le za melodijo: kako evropa glasuje za svoje najljubše skladbe. *Uporabna informatika*, 28(2), avg. 2020. doi: 10.31449/upinf.85. URL <https://uporabna-informatika.si/ui/article/view/85>.
- Anej Svete, Benjamin Dayan, Tim Vieira, Ryan Cotterell, and Jason Eisner. Acyclic weighted finite-state automata with failure arcs. In *Proceedings of the 2022 Conference on Empirical Methods in Natural Language Processing*, Abu Dhabi, United Arab Emirates, December 2022. Association for Computational Linguistics.

SCHOLARSHIPS AND AWARDS

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| Willi Studer Prize | October 2023 |
| • Highest GPA in the study program at the end of my master’s studies. | |
| Ad Futura Scholarship | September 2020–September 2022 |
| • Scholarship awarded to excellent students studying abroad by the Slovenian government. | |
| Rector’s Prize | July 2021 |
| • Exceptional study results at the end of my bachelor’s studies. | |
| Dean’s Prize | October 2018–September 2020 |
| • Exceptional study results all three years of my bachelor’s studies. | |
| Intern Scholarship | June 2017–September 2020 |
| • Scholarship given by XLAB during my bachelor’s studies. | |
| Golden Owl Award | September 2017 |
| • Award given by the president of the Republic of Slovenia to students who achieved all possible points on the national matriculation examination. I was one of 16 awardees that year. | |

EXTRACURRICULAR ACTIVITIES

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| International Committee of the Red Cross NLP Tutorial | November 2023 |
| ESSLLI 2023 Course Lecturer | August 2023 |

SKILLS

Languages: Slovene (native), English (fluent), German (intermediate)

Programming Languages : Python, Python Data Science tools, R, Spark, Java, Matlab, SQL

Digital: Unix, L^AT_EX

INTEREST AND HOBBIES

To balance my everyday, I like to spend time outside on walks, runs, and hikes. I also enjoy reading both fiction and nonfiction, with my current favourites being books by John Kennedy Toole, and, if I just need some relaxing time off, Christopher Moore and Terry Pratchett. I aim to always keep my mind open to new ideas and diverse topics.