

Budapest, Hungary
adaam.ko@gmail.com

Ádám Kovács

NLP engineer/researcher

Google Scholar
github.com/adaamko
linkedin.com/in/adaamko

Full-time Project Assistant/Researcher at TU Wien. Currently finishing his Ph.D at Budapest University of Technology and Economics. Has 6 years' of experience in building NLP applications in information extraction, lexical inference and NLU. Creator and collaborator of several open-source projects in NLP. Main research interests include semantic parsing and explainable methods in NLP.

SKILLS

Tools and Languages	Python, Unix, Latex, PyTorch, Spacy, Elasticsearch
Research	semantic graphs, semantic parsing, explainable AI, Machine Learning
Communication	English (fluent), Slovak (fluent), Hungarian (native)

TECHNICAL EXPERIENCE

Vienna University of Technology **Sep 2020 - Present**
Project Assistant/Researcher - full time *Vienna, Austria*

- NLP engineer and researcher.
- Working on the [BRISE](#) project to build an explainable information extraction system.
- Main developer of the [POTATO](#) open-source framework.
- One of the main developers of the [TUW-NLP](#) open-source library.
- Co-organized a NLP course at the university.
- Material: <https://github.com/tuw-nlp-ie/tuw-nlp-ie-2022WS>

Department of Automation and Applied Informatics, BME **Feb 2019 - Feb 2023**
Ph.D student, Teaching Assistant *Budapest, Hungary*

- Research focused in NLP. mainly graph-based semantic parsing.
- I'm also interested in solving information extraction tasks with explainable (XAI) models.
- Co-organized a NLP course at the university with more than 80 students.
- Material: https://github.com/bmeaut/python_nlp_2021_spring
- Supervised graduate and undergraduate students.

Research Studios Austria Forschungsgesellschaft mbH **Apr 2022 - Jul 2022**
Researcher - Contract *Vienna, Austria*

- Building a semantic parsing pipeline for technical text

MindSpeak **Oct 2018 - Sep 2021**
NLP Engineer - Contract *New York, NY - Remote*

- Building NLP services for automated call summaries.

SZTAKI - Institute for Computer Science And Control **Feb 2019 - Aug 2021**
Researcher - part time *Budapest, Hungary*

- Implementing tools for computational linguistics and natural language processing.
- Collaborator in the [4lang](#) project.
- Webpage: <https://hlt.bme.hu/en/kovacsadam>

AppTek **Feb 2020 - Jul 2020**
Computational Linguist - Contract *McLean, VA - Remote*

- Building NLU system for Slovak and Hungarian.

Department of Automation and Applied Informatics, BME **Jan 2018 - Feb 2019**
Junior Researcher *Budapest, Hungary*

- Researching semantic parsing algorithms.
- Teaching Assistant for data science and NLP courses.

AutSoft **Sep 2017 - Feb 2019**
Junior Software Engineer *Budapest, Hungary*

- Using Elasticsearch and Kibana for data mining.

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EDUCATION

- Ph.D, Computer Science** - *Budapest University of Technology and Economics* 2019 - 2023
Department of Automation and Applied Informatics
Thesis: Explainable information extraction with semantic graphs, **Supervisor:** Gábor Recski, Ph.D
- M.Sc, Computer Science (summa cum laude)** - *Budapest University of Technology and Economics* 2017 - 2019
Department of Automation and Applied Informatics
Thesis: Semantic parsing with graph transformations, **Supervisor:** Gábor Recski, Ph.D
- B.Sc, Computer Science** - *Budapest University of Technology and Economics* 2013 - 2017
Department of Automation and Applied Informatics
Thesis: Pattern matching algorithms in Big Data

PUBLICATIONS

Google Scholar: <https://scholar.google.com/citations?user=dptkPZsAAAAJ>

Researchgate: <https://www.researchgate.net/profile/Adam-Kovacs-10>

ORCID: <https://orcid.org/0000-0001-6132-7144>

Webpage: <https://hlt.bme.hu/en/kovacsadam>, <https://informatics.tuwien.ac.at/people/adam-kovacs>

Blog: <https://medium.com/@adaam.ko>

AWARDS AND CERTIFICATES

- 2020** Building Transformer-Based Natural Language Processing Applications - NVIDIA 5ca162604db44e34bec7eedc25fa442e
- 2019** Award of the New National Excellence Program of the Ministry for Innovation and Technology
- 2019** Second Prize, National Scientific Students' Associations Conference
- 2019** Ph.D scholarship, BME Department of Automation and Applied Informatics
- 2018** First Prize, BME-VIK Scientific Students' Associations Conference