

# Ivan Kartáč

NLP Researcher and Engineer

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## Education

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**Charles University, Faculty of Mathematics and Physics** 10/2021 – 02/2025

Master's degree in Language Technologies and Computational Linguistics

Thesis: *Explainable LLM-based evaluation for NLG using error analysis*

**Charles University, Faculty of Arts** 10/2015 – 09/2019

Bachelor's degree in General Linguistics and Phonetics

Thesis: *Prenominal possessive genitive in Czech*

## Work Experience

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**Research Assistant**, Faculty of Mathematics and Physics, Charles University 07/2025 – present

Research on evaluation and explanation of reasoning in language models.

**AI Engineer**, ScaleVoice 09/2023 – 07/2025

Task-oriented dialogue systems, LLM-based agents, dialogue evaluation and simulation tools.

**Machine Learning Engineer**, Rossum 09/2022 – 07/2023

Improving OCR models, data augmentation, evaluation and error analysis.

**Software Engineer**, Rossum 08/2017 – 08/2022

Data engineering pipelines, automating end-to-end model training workflows, development of annotation infrastructure.

## Publications

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Zdeněk Kasner, Vilém Zouhar, Patrícia Schmidtová, **Ivan Kartáč**, Kristýna Onderková, Ondřej Plátek, Dimitra Gkatzia, Saad Mahamood, Ondřej Dušek, and Simone Balloccu.

[Large Language Models as Span Annotators](#) ↗

arXiv preprint arxiv:2504.08697

**Ivan Kartáč**, Mateusz Lango, and Ondřej Dušek.

[OpeNLGauge: An explainable metric for NLG evaluation with open-weights LLMs](#) ↗

arXiv preprint arxiv:2503.11858

## Research Interests

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🧩 Reasoning in large language models

🗨 Natural language generation

🔍 Explainable evaluation

## Skills

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**Programming:** Python, R, SQL

**Libraries and Frameworks:** Numpy, Pandas, scikit-learn, PyTorch, Flask, Django

**Tools:** Git, Bash, Docker, LaTeX

**Natural Languages:**

- Czech (native-level proficiency)
- English (advanced)
- Slovak (native)