

Evgeniia Tokarchuk

evgeniia@tokarch.uk

evgeniia.tokarch.uk

EDUCATION

University of Amsterdam, Amsterdam, The Netherlands

- PhD Candidate, Language Technology Lab May 2021 – present
 - Working on the machine learning applications for natural language processing under the supervision of Dr. Vlad Niculae.
 - **Research interests:** [text] generative models, machine translation, non-autoregressive generation.

RWTH Aachen University, Aachen, Germany

- M.Sc. Software Systems Engineering Oct 2017 – Mar 2021
 - GPA: 1.7 (1.0 best; 5.0 worst)
 - **Relevant Coursework:** Statistical Classification and Machine Learning, Natural Language Processing, Machine Learning, Advanced Machine Learning, Automatic Speech Recognition (Lab)

South Ural State University, Chelyabinsk, Russia

- Specialist in Information Security for Automated Systems Sep 2011 – Jun 2016
 - Graduated with Honors

EXPERIENCE & TEACHING

University of Amsterdam, Amsterdam, The Netherlands

- Teaching Assistant, Natural Language Processing 2 April, 2022 – June, 2022
 - Supervised student's projects on applications of reinforcement learning for non-autoregressive NMT.

eBay, Aachen, Germany

- Working Student, Human Language Tech Oct 2019 – Mar 2021
 - **Master thesis topic:** Tight model integration for pivot-based Neural Machine Translation

i6, RWTH Aachen University, Aachen, Germany

- Student Worker, Human Language Technology and Pattern recognition group, Feb 2018 – Sep 2019
 - Worked on data engineering for Named Entity Recognition task using Flair (PyTorch-based framework).
 - Experimented with Character-Based Machine Translation using RETURNN (TensorFlow-based framework).

PressFoto, Chelyabinsk, Russia

- Algorithm's developer, R&D department Oct 2016 – Aug 2017
 - Worked on optimization of search quality results.

The HoneyNet Project,

- Google Summer of Code 2016, May 2016 – Aug 2016
 - Developed from scratch **SNARE** and **TANNER** honeypot project using python3 and aiohttp framework.

SCHOLARSHIPS

- **DAAD** Study Scholarships for Graduates of All Disciplines 2018 – 2019

PAPERS

- **E. Tokarchuk**, V.Niculae. On Target Representation in Continuous-output Neural Machine Translation, RepL4NLP, May 2022.
- **E. Tokarchuk**, J.Rosendahl, W.Wang, P. Petrushkov, T.Lancewicki, S. Khadivi and H. Ney. Integrated Training for Sequence-to-Sequence Models Using Non-Autoregressive Transformer, IWSLT, August 2021.
- **E. Tokarchuk**, D.Thulke, W.Wang, C. Dugast, and H. Ney. Investigation on Data Adaptation Techniques for Neural Named Entity Recognition. ACL Student Research Workshop, August 2021.
- **E. Tokarchuk**, J.Rosendahl, W.Wang, P. Petrushkov, T.Lancewicki, S. Khadivi and H. Ney. Towards Reinforcement Learning for Pivot-based Neural Machine Translation with Non-autoregressive Transformer, Reinforcement Learning for Real Life Workshop, July 2021.

SKILLS

- **Technical:** python (6+yrs), pytorch, numpy, bash, git
- **Languages:** Russian (native), English (C1)

VOLUNTEERING

- **The HoneyNet Project:** Google Summer of Code Mentor 2017 – 2021
- **Volunteers with No Limits:** Logistics coordinator March 2022 – Present