
Skills

- **Programming**

Python, PyTorch (see: [pps-vae](#)), TensorFlow (see: [hsvae](#), [kl-text-vae](#), [text2path](#))

- **Research Communication**

communicated my research via [publications](#) at: AAAI, NAACL, EMNLP; communicated research for public audiences of peers: invited poster presentation at Microsoft Research Cambridge, UK, 2020 and invited poster presentation at Google NLP Summit, Zurich, Switzerland, 2019; released open source code for the reproducible research: [pps-vae](#), [hsvae](#), [kl-text-vae](#), [text2path](#)

Work Experiences

Apr. 2022 **Postdoctoral Researcher**, University of Edinburgh, [ExLab](#), working with

Apr. 2024 [Siddharth N.](#) and [Ivan Titov](#)

- [project](#); topics: deep generative models, interpretability, representation learning; data type: images; outcome: [code](#) and [publication](#).

Sep. 2020 **Research Internship**, Montreal Institute for Learning Algorithms (MILA),

Dec. 2020 working with [Siva Reddy](#)

- topics: deep generative models, interpretability, representation learning; data type: language (text)

Selected Publications

- **Victor Prokhorov** and Ivan Titov and Siddharth N, [Autoencoding Conditional Neural Processes for Representation Learning](#) in ArXiv 2023
- Mattia Oppel and **Victor Prokhorov** and Siddharth N, [StrAE: Autoencoding for Pre-Trained Embeddings using Explicit Structure](#) in EMNLP 2023 (main)
- **Victor Prokhorov** and Yingzhen Li and Ehsan Shareghi and Nigel Collier, [Learning Sparse Sentence Encoding without Supervision: An Exploration of Sparsity in Variational Autoencoders](#) in RepL4NLP 2021 (workshop)
- Lan Zhang and **Victor Prokhorov** and Ehsan Shareghi, [Unsupervised Representation Disentanglement of Text: An Evaluation on Synthetic Datasets](#) in RepL4NLP 2021 (workshop)
- **Victor Prokhorov** and Ehsan Shareghi and Yingzhen Li and Mohammad Taher Pilehvar and Nigel Collier, [On the Importance of the Kullback-Leibler Divergence Term in Variational Autoencoders for Text Generation](#) in WNGT 2019 (workshop)

- **Victor Prokhorov**, Mohammad Taher Pilehvar, Dimitri Kartsaklis, Pietro Lio, Nigel Collier, [Unseen Word Representation by Aligning Heterogeneous Lexical Semantic Space](#) in AAAI 2019
- **Victor Prokhorov**, Mohammad Taher Pilehvar, Nigel Collier, [Generating knowledge graph paths from textual definitions using sequence-to-sequence models](#) in NAACL 2019

Education

- Oct. 2017 **Ph.D. Computation, Cognition and Language**, University of Cambridge,
- Jan. 2022 Cambridge, UK
 - **Ph.D. Thesis:** "[Injecting Inductive Biases into Distributed Representations of Text](#)," under supervision of [Nigel Collier](#) and [Ehsan Shareghi](#)
- Oct. 2016 **MPhil in Advanced Computer Science**, Grade: Distinction, University of
- Jun. 2017 Cambridge, Cambridge, UK
- Sep. 2013 **BEng in Computer Science and Electronics**, Grade: First Class, University
- Jul. 2016 of Bristol, Bristol, UK

Honors & Awards

- Mitacs Globalink Research (Mitacs, **Awarded**; the award required in person presence in Canada; due to COVID did not accept)
- Student Travel Grant (Workshop: Neural Generation and Translation)

Activities

- Co-organiser for Edinburgh NLP Meetings, 2022-2023
- Co-organiser for [Dagstuhl ELLIS NLP Workshop](#), 2022
- Reviewer for ICLR, 2022 and ACL ARR, 2021