Tadas Temčinas

Education

2019–2023 (expected)	**PhD Statistics**, *University of Oxford*, Oxford, UK. ○ Supervisors: Prof. Gesine Reinert and Prof. Vidit Nanda. ○ Working on statistical topological data analysis.
2014–2018	**MMathPhil Mathematics and Philosophy**, *University of Oxford*, Oxford, UK. ○ Thesis: *Topological Tools in Data Analysis*
2010–2014	**High School Diploma**, *Vilnius Lyceum*, Vilnius, Lithuania.

Preprints and Publications

2020	**Efficient Intent Detection with Dual Sentence Encoders**, *Iñigo Casanueva, Tadas Temčinas, Daniela Gerz, Matthew Henderson, Ivan Vulić*, arXiv:2003.04807.
2018	**Local Homology of Word Embeddings**, *Tadas Temčinas*, arXiv:1810.10136.

Work Experience

02/2019– 09/2019	**Machine Learning Engineer**, *PolyAI*, London, UK. **Tech stack**: Python: Tensorflow, Scikit-learn, Numpy; ○ Implemented, deployed and tested automatically a slot-value parsing service. ○ Developed, researched and implemented efficient intent detection models using pre-trained encoders. ○ Designed and implemented POC for a voice-based chatbot building platform that combines rule-based policy with machine learning solutions for intent detection and slot-value extraction.
08/2018– 01/2019	**Machine Learning Engineer**, *Digital Genius*, London, UK. **Tech stack**: Python: PyTorch, Scikit-learn, Numpy, Pandas, Spacy, Plotly; ○ Built named-entity recognition service from research to production. ○ Built a common framework for model training and evaluation. ○ Worked on improving intent detection models.
Summer 2016, 2017	**Data Engineering Intern**, *Ueni Limited*, London, UK. **Tech stack**: Python: Pandas, Django, Gensim, Plotly; Google BigQuery; SQL; JavaScript ○ Analysed existing service categorisation system. ○ Researched and tried out possible topic modelling tools to improve existing service search. ○ Developed both backend and frontend for scalable web-based dashboards and automated reporting.

Computer & Language Skills

Comfortable	Python, SQL, LaTeX	Fluent	Lithuanian, English
Familiar	Bash	Competent	Russian
		Basic	Polish, Hebrew

Achievements

2018	**Scholarship**, *St Anne's College, University of Oxford*.
2017	**Exhibition**, *St Anne's College, University of Oxford*.
2016	**Discretionary Full Blue**, *Oxford University Dancesport Team*.
2014	**Silver Medal**, *International Philosophy Olympiad*.
2014	**Shortlisted**, *International Mathematics Olympiad*.