## Roman Kouznetsov

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SUMMARY	I am currently a statistics PhD student at the University of Michigan doing applied deep learning rese on spatial transcriptomics data modelled as graphs. My research is currently in the pre-print stages, but rapidly advancing and was presented and critically acclaimed at MSSISS 2022. At the moment, I seeking opportunities for part-time employment or an internship in computer vision, deep learning, softw development, and/or quantitative research.	arch ∷it is am ware
EDUCATION	University of Michigan, PhD, Statistics Aug 2019 – pre	sent
	University of Michiagn, MA, StatisticsAug 2019 – May 2Case Western Reserve University, B.S. Statistics and Economics magna cum laudeMay 2GPA 3.92 (Dean's List all 6 semesters, finished in 3 years)May 2	2021 2019
PUBLICATIONS	Needs, priorities, and attitudes of individuals with spinal cord injury toward nerve stimulation de for bladder and bowel function: a survey. <i>Spinal Cord,</i> 58 (2020)	vices
SELECTED EXPERIENCE	University of Michigan Probabilistic Machine Learning Group, Researcher Dec 2019 – pre Researching gene expression imputation and prediction with the use of graph convolutional (variational) autoencoders. Advisor: Dr. Jeffrey Regier	sent
	Progressive Insurance, Data Science Intern May 2019 – Aug 2	2019
	Performed network visualization and analysis for employment transitions in Claims Control. The analysis was integrated as tool that helps Claims Control employees make staffing decisions.	3
	Case Western Reserve University, Analyst Dec 2018 – May 2	019
	Cleaned and performed random forest classification on spinal cord injury survey data to identify how to baid victims of SCI.	oest
	Harvard University, Data Curator Jan – May 2	018
	Created a dataset from scratch to be used for regression discontinuity analysis of home rule effect on re estate prices in Illinois.	al
TEACHING	<b>University of Michigan</b> , Administrative Graduate Student Instructor (GSI) Jan 2022 – prese Promoted to handle and organize office hours, meeting leads, and scheduling while still maintaining teaching and grading responsibilities	sent
	University of Michigan, Graduate Student Instructor (GSI) Aug 2020 – Dec 2	021
	STATS 250: Introduction to Statistics and Data Analysis	
	STATS 507: Data Science and Analytics using Python	
	Hermiona Education, Academic Consultant and Tutor Aug 2020 – Aug 2	021
	Consulted on math, computer science, and college applications for aspiring students in Europe.	
	Case Western Reserve University, Educational Services for Students Tutor Dec 2017 – Dec 2	018
	Student tutor in economics, chemistry, mathematics, and statistics. Tutor Rating: 2.98/3.00 (55 sessions	;)
	TRACE, Founder Sep 2014 – May 2	016
	teachers was shut down at Eden Prairie High School.	
SELECTED	MSSISS 2022 Best Methodology Poster March 2	2022
HONORS	An award given to my poster "deepST: A Graph Convolutional Autoencoder for Spatial Transcriptomics" the Michigan Student Symposium for Interdisciplinary Statistical Sciences (MSSISS).	at
	Michelson-Morley Scholarship May 2	2019
	A collaborative stipend from the Rackham Graduate School and the statistics graduate program given to assist graduate students with research activities	)
SELECTED	Machine Learning: neural nets, generative models, decision trees, clustering, graphical models, regress	sion
SKILLS	Programming Languages: Python, R, SQL, Stata, C#, C++, Java, Matlab, Mathematica	
	Proficient Packages: Pytorch, Tensorflow, Numpy, Scipy, PyMC3, PyG, OpenCV	
	Math: Bayesian statistics, theoretical statistics, graph theory, stochastics, linear algebra	