

Ivan Lee

<https://ivnle.github.io>

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Research Interests	Natural Language Processing Applied Mathematics (topology and optimal transport theory) Machine Learning Historical Linguistics	
Education	University of California, San Diego M.Sc., Computer Science & Engineering Advisor: Taylor Berg-Kirkpatrick GPA: 4.0/4.0	2020 – present
	University of California, Davis B.Sc., Nutrition Science GPA: 3.3/4.0	2009 – 2012
Publications	Ivan Lee and Taylor Berg-Kirkpatrick. HeLo: Learning-Free Lookahead Decoding for Conversation Infilling . <i>Findings of the Association for Computational Linguistics: EMNLP</i> , 2022. Daniel Spokoyny, Ivan Lee , Zhao Jin, and Taylor Berg-Kirkpatrick. Masked Measurement Prediction: Learning to Jointly Predict Quantities and Units from Textual Context . <i>Findings of the Association for Computational Linguistics: NAACL</i> , 2022.	
In Submission	Ivan Lee , Yusu Wang, Taylor Berg-Kirkpatrick. Enciphered language identification and decipherment with the Weisfeiler-Lehman distance.	
Ongoing Work	Procedural generation of interactive fiction. Language identification of ancient undeciphered texts. Applications of topological data analysis to natural language processing.	
Experience	BergLab Graduate Student Researcher	2020 – present
	Self-employed Derivatives Trader	2017 – present
	Google Senior Account Manager (L4)	2017 – 2018
	Education.com Director, Digital Marketing	2013 – 2017
	Townsquare Media Manager, Ad Operations	2012 – 2013
GRE Scores	Quantitative Reasoning Verbal Reasoning Analytical Writing	165/170 (86th percentile) 168/170 (98th percentile) 5.5/6 (98th percentile)