

TOM SHERBORNE

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EDUCATION

Current 2019 - 2023	PhD Computer Science Thesis: Cross-lingual Modeling for Executable Semantic Parsing Supervisor: Mirella Lapata Investigating multi-lingual text-to-SQL with minimal data. Reported state-of-the-art zero-shot cross-lingual results. Currently investigating meta-learning for few-shot cross-lingual adaptation.	School of Informatics, University of Edinburgh
2018 - 2019	MSc(R) Data Science Thesis: Bootstrapping a Crosslingual Semantic Parser Supervisor: Mirella Lapata	School of Informatics, University of Edinburgh DISTINCTION (79%)
2017 - 2018	MPhil Advanced Computer Science Thesis: Evaluating Image Description Systems with Truth-Conditional Semantics Supervisor: Ann Copestake	University of Cambridge DISTINCTION (85%)
2013 - 2017	MEng Electronic Engineering Undergraduate Bachelor & Master Combined Degree Program	University College London FIRST HONS. (84%)

PROFESSIONAL EXPERIENCE

SEP. - NOW 2020	Cambridge Spark – Teaching Fellow, Remote Remote tutor for Data Science and Machine Learning apprenticeship training programs.
SEP. - SEP. 2018 2021	University of Edinburgh – Teaching Support, Edinburgh UK Teaching Assistant for Deep Learning & Natural Language Processing class for 200+ students.
JUN - SEP. 2018 2018	Apple – Machine Learning Intern, Cambridge UK Researcher investigating cross-lingual sequence classification models in the Siri group.
JULY - OCT. 2017 2017	Cytora – Machine Learning Engineer, London UK Engineer developing an information extraction pipeline for classification of global news events.

PUBLICATIONS

PREPRINT	<i>Zero-Shot Cross-lingual Semantic Parsing</i> T. Sherborne and M. Lapata (preprint under review)
EMNLP20	<i>Bootstrapping a Crosslingual Semantic Parser</i> T. Sherborne, Y. Xu and M. Lapata Findings of EMNLP 2020 (presented at IntEx-Semparse 2020 Workshop)
AAAI20 WORKSHOP	<i>Going Beneath the Surface: Evaluating Captioning for Grammaticality, Truthfulness and Diversity</i> H. Xie, T. Sherborne, A. Kuhnle, and A. Copesake Evaluating Evaluation of AI Systems (Meta-Eval 2020) at AAAI-2020
JLT	<i>On the Impact of Fixed Point Hardware for Optical Fiber Nonlinearity Compensation Algorithms</i> T. Sherborne, B. Banks, D. Semrau, R. Killey, P. Bayvel and D. Lavery OSA/IEEE Journal of Lightwave Technology, 2018 vol. 36, no. 20, pp. 5016-5022

SKILLS & PROFESSIONAL SERVICE

SKILLED	Python, NumPy, SciPy, PyTorch, Git, Bash/UNIX, \LaTeX , Slurm, MATLAB, AllenNLP, Pandas
PROFICIENT	Java, Javascript, , C, C++, TensorFlow, Assembly, Verilog, SVN
REVIEWER	ACL2020, EMNLP2020, 2021, ICLR2022, ACL Rolling Review (Sep 2021 onwards)
VOLUNTEER	ACL2020, ACL2021