Tom Sherborne

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Education

2019 - Now	**PhD** Computer Science	University of Edinburgh

Thesis: Cross-lingual Modeling for Executable Semantic Parsing
Supervisor: Mirella Lapata
Investigating **multilingual text-to-SQL** for low-resource languages with minimal data.
Currently investigating variational structure models for cross-lingual structured prediction.
Estimated graduation at the end 2023

2018 - 2019	**MSc(R)** Data Science	University of Edinburgh

Thesis: Bootstrapping a Crosslingual Semantic Parser   **Result**: Distinction (79%)
Supervisor: Mirella Lapata

2017 - 2018	**MPhil** Advanced Computer Science	University of Cambridge

Thesis: Evaluating Image Description Systems with Truth-Conditional Semantics   **Result**: Distinction (85%)
Supervisor: Ann Copestake

2013 - 2017	**MEng** Electronic Engineering	University College London

Undergraduate Bachelor & Master Combined Degree Program   **Result**: 1st Hons (84%)
2015 - 2016   Columbia University — Exchange Student   **GPA**: 3.84

Professional Experience

Sep. - Now 2018	**University of Edinburgh** — Teaching Support	

Teaching Assistant for Deep Learning & Natural Language Processing class for 200+ students.
Lead Instructor for GPU Programming and Cluster Training using PyTorch and Slurm.

Jun - Sep. 2018 2018	**Apple** — Machine Learning Intern	

Researcher investigating natural language understanding in the *Siri* group with Diarmuid Ó Séaghdha.

July - Oct. 2017 2017	**Cytora** — Machine Learning Engineering Intern	

Engineer developing an information extraction pipeline for global news event classification.

Recent Publications

TACL	*A Cross-lingual Meta-Learning Algorithm for Semantic Parsing*

Tom Sherborne and Mirella Lapata
Under Review

ACL22	*Zero-Shot Cross-lingual Semantic Parsing*

Tom Sherborne and Mirella Lapata
Proceedings of ACL 2022. Also presented at Multilingual Information Access Workshop 2022

EMNLP20	*Bootstrapping a Crosslingual Semantic Parser*

Tom Sherborne, Yumo Xu and Mirella Lapata
Findings of EMNLP 2020 (presented at IntEx-Semparse 2020 Workshop)

AAAI20	*Going Beneath the Surface: Evaluating Captioning for Grammaticality, Truthfulness and Diversity*

Huiyuan Xie, **Tom Sherborne**, Alex Kuhnle, and Ann Copesake
Evaluating Evaluation of AI Systems (Meta-Eval 2020) at AAAI-2020

Skills & Professional Service

Skilled	Python, NumPy, SciPy, PyTorch, Git, Bash/UNIX, LaTeX, Slurm, MATLAB, Pandas
Proficient	SQL, Java, Javascript, , C, C++, Assembly, Verilog, SVN
Reviewer	ACL20, EMNLP20,21, ARR (9/22-now), NAACL SRW, MIA, ICLR22 (highlighted reviewer), NeurIPS22
Volunteer	ACL2020, ACL2021, EMNLP2021