

TOM SHERBORNE

+447378 481481 · tom.sherborne@ed.ac.uk · tomsherborne.github.io

EDUCATION

University of Edinburgh

Sep 2019 - Aug 2022 (expected)

PhD Data Science

Topic: Semantic Parsing

Supervisor: Prof. Mirella Lapata

University of Edinburgh

2018 - 2019

MSc(R) Data Science - Distinction (79%)

Thesis: Crosslingual Semantic Parsing

Supervisor: Prof. Mirella Lapata

University of Cambridge

2017 - 2018

MPhil Advanced Computer Science - Distinction (85%)

Thesis: Evaluating Image Description Systems with Truth-Conditional Semantics

Supervisors: Prof. Ann Copestake & Alexander Kuhnle

University College London

2013 - 2017

MEng Electronic & Electrical Engineering - First Class Honours (84%)

Thesis: Investigating the Hardware Requirements for Optical Channel Distortion Compensation

Supervisors: Prof. Polina Bayvel & Dr. Domaniç Lavery

Study Abroad: Columbia University, New York, USA 2015-16 - GPA 88%

PROFESSIONAL EXPERIENCE

Apple

June 2018 - Sep 2018

Machine Learning Intern (Siri)

Cambridge, UK

- Researcher in the Understanding team developing crosslingual machine learning models for the assistant pipeline.

Cytora

July 2016 - Oct 2016

Machine Learning Engineer

London, UK

- Engineer developing an information extraction pipeline for classification of global news events.
- Redeveloped a Named Entity Recognition pipeline to reduce event location extraction errors by 80% using re-scoring candidates by news source location and credibility.

PUBLICATIONS

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

H. Xie, **T. Sherborne**, A. Kuhnle, and A. Copesake

Evaluating Evaluation of AI Systems (Meta-Eval 2020) at AAAI-2020

On the Impact of Fixed Point Hardware for Optical Fiber Nonlinearity Compensation Algorithms

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

CacheMAST: Cache Management Analysis and Visualization Tool

tinyurl.com/cachemast

D. Tuncer, **T. Sherborne**, M. Charalambides and G. Pavlou

2017 IFIP/IEEE Symposium on Integrated Network and Service Management, p.875-876

HONOURS & AWARDS

University of Cambridge Computer Lab Palantir Prize for Highly Commended MPhil Project	July 2018
EPSRC CDT in Data Science PhD Studentship	April 2018
Cambridge Trust Vice Chancellor's & Wolfson College PhD Studentship (Declined)	April 2018
Cambridge Computer Lab MPhil Scholarship	August 2017
IEEE Communications Society UK Best Thesis (UCL)	July 2017
University College London Dean's List - Top 5% of graduating students	July 2017
UCL Goldsmid Award - 1st in class of 83 for second year	July 2015
UCL Goldsmid Award - 2nd in class of 120 for first year	July 2014
IET Diamond Jubilee Scholarship - Outstanding A-Level results of A*, A*, A	August 2013

TECHNICAL SKILLS

General programming	Python, MATLAB, Java, C/C++, JavaScript
Machine learning	Tensorflow, PyTorch, AllenNLP, spaCy, NLTK, Gensim, Scikit-Learn
Python tools	NumPy/sciPy, Pandas, Matplotlib, Seaborn
System/Hardware tools	bash, UNIX, Slurm, Verilog, Assembly

TEACHING

Accelerated Natural Language Processing	Semester 1 2019/20
--	--------------------

- Demonstrator, Tutor and Exam Marking

Computer Programming for Speech and Language Processing	Semester 1 2019/20
--	--------------------

- Lab Demonstrator

Natural Language Understanding, Generation and Machine Translation	Semester 2 2019/20
---	--------------------

- Teaching Assistant for Coursework Creation and Marking

London School of Economics Applicable Maths Society Python Classes	Semester 1 2016/17
---	--------------------

- Teacher for introductory Python programming class oriented towards financial analysis and statistics.
- Prepared and delivered 7 lectures with assignments for a class of 80 beginner students.

LEADERSHIP EXPERIENCE

Corpus Christi College Middle Combination Room	January 2018 - July 2018
<i>Computer Officer</i>	<i>Cambridge, UK</i>

- Webmaster for the college postgraduate student union managing space booking systems and event coordination.
- Manager of the computer facility and provider of the first level of IT support for a community of 250 students and fellows.

Columbia Organization of Rising Entrepreneurs	August 2015 - June 2016
<i>Board Member</i>	<i>New York, NY</i>

- Founding team member at *Almaworks*, NYC's only startup accelerator run by students.
- Fundraising manager for the *Ignite@CU* and *#StartupColumbia* conferences, raising over \$10k in between events.