

TOM SHERBORNE

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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: Bootstrapping a Crosslingual Semantic Parser

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.

PEER REVIEWED PAPERS

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

CONFERENCES

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

Natural Language Processing in 10 Lines of Code Workshop

tinyurl.com/pycon-nlp

A. Hribernik, T. Sherborne, M. Horvat and A. Wiener

PyCon UK 2016, Cardiff UK

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
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- Demonstrator, Tutor and Exam Marking

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

Natural Language Understanding, Generation and Machine Translation	Semester 2 2019/20
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- Teaching Assistant for Coursework Creation and Marking

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