

EDUCATION

Current	PhD in Data Science — School of Informatics, University of Edinburgh Thesis: Synthesising varied prosody Supervisor: Professor Simon King Investigated ill-posed nature of prosody: i.e. a single sentence has many appropriate renditions. Culminated in a state-of-the-art method for speech synthesis: determining appropriateness of prosodic renditions using context.
2016 – 2017	MScR in Data Science — School of Informatics, University of Edinburgh Thesis: A learned emotion space for emotion recognition and emotive speech synthesis Supervisor: Professor Simon King Result: DISTINCTION — 81% Developed an emotion space to address issues with existing descriptions of emotion. Investigated methods to improve interpretability. Performed listening test evaluation using style adaptation for expressive text-to-speech.
2013 – 2016	BSc in Computer Science — Durham University Result: 1 ST CLASS HONOURS — 79%

PROFESSIONAL EXPERIENCE

JAN. – JULY 2020 2020	Amazon — Applied Science Intern Researched prosody modelling for long-form reading, and published paper on my state-of-the-art results.
MAY – AUG. 2019 2019	University of Edinburgh — MSc Supervisor Supervised two <i>Speech and Language Processing</i> masters students. Topics: WaveNet; Prosodic representations. Both of my students achieved a distinction in their thesis.
APR. – AUG. 2018 2018	Google — Software Engineering Intern Researched prosody modelling in sequence-to-sequence models. Improved phoneme/silence duration models.
SEPT. – DEC 2017 2019	University of Edinburgh — Teaching Course: Probabilistic Modelling and Reasoning — Teaching assistant and Tutor Course: Computer Programming for Speech and Language Processing — Demonstrator and Marker Course: Introductory Applied Machine Learning — Tutor and Marker
JUNE – SEPT. 2015 2015	FootClicks — Research Internship Ran experiments to profile hardware errors in mobile phone gyroscope, created error model for particle filter.

PUBLICATIONS

ICASSP (under review)	Z. Hodari , A. Moinet, S. Karlapati, J. Lorenzo-Trueba, T. Merritt, A. Joly, A. Abbas, P. Karanasou, and T. Drugman, <i>CAMP: a Two-Stage Approach to Modelling Prosody in Context</i> , ICASSP, Toronto, Canada, 2021.
SPEECH PROSODY	Z. Hodari , C. Lai, and S. King, <i>Perception of prosodic variation for speech synthesis using an unsupervised discrete representation of F0</i> , Speech Prosody, Tokyo, Japan, 2020.
SSW	Z. Hodari , O. Watts, and S. King, <i>Using generative modelling to produce varied intonation for speech synthesis</i> , Speech Synthesis Workshop, Vienna, Austria, 2019.
INTERSPEECH	J. Fong, P. O. Gallegos, Z. Hodari , S. King, <i>Investigating the Robustness of Sequence-to-Sequence Text-to-Speech Models to Imperfectly-Transcribed Training Data</i> , Interspeech, Graz, Austria, 2019.
INTERSPEECH	Z. Hodari , O. Watts, S. Ronanki, and S. King, <i>Learning interpretable control dimensions for speech synthesis by using external data</i> , Interspeech, Hyderabad, India, 2018.
UK SPEECH	Z. Hodari , and S. King, <i>A learned emotion space for emotion recognition and emotive speech synthesis</i> , UK Speech, Cambridge, UK, 2017.

AWARDS

JULY 2016	Top 5 in the School of Engineering and Computing Sciences
NOV. 2015	Outstanding Achievement Award (performed top in the year)
OCT. 2015	Vice-Chancellor's Scholarship for Academic Excellence

SKILLS

SKILLED	Python, NumPy, PyTorch, MXNet, TensorFlow, Matplotlib, Git, Bash, \LaTeX
PROFICIENT	HTML, JavaScript, Pandas, Java, C, C++, CSS, PHP, SQL, Keras, Theano, Make