

Matthew Roddy

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SPECIALIST INTERESTS	Spoken dialogue systems, machine learning, multimodal interaction, speech technologies	
DEGREES	Trinity College , Dublin, Ireland	
	<i>PhD in Electrical Engineering</i>	Summer 2019
	<ul style="list-style-type: none">• Research subject: Applications of deep learning for modeling conversational turn-taking and user engagement with spoken dialogue systems• Supervisor: Dr. Naomi Harte	
	Dublin City University , Dublin, Ireland	
	<i>Master's Degree in Electronic Systems (MEng.)</i>	March. 2016
	<ul style="list-style-type: none">• Thesis title: DSP-based Model Estimation and Control of a Loudspeaker for an Active Noise Control System	
	University of Limerick , Limerick, Ireland	
	<i>Master's Degree in Music Technology (MSc.)</i>	Dec. 2013
	<ul style="list-style-type: none">• Thesis title: A Method of Morphing Spectral Envelopes of the Singing Voice for use with Backing Vocals	
	Trinity College , Dublin, Ireland	
	<i>Bachelor's Degree in Music (B.A)</i>	Jun. 2010
PUBLICATIONS	Roddy, M. and Harte, N. "Conversational Gaze Aversion Detection Using Unsupervised Learning", in <i>European Signal Processing Conference (EUSIPCO)</i> , Kos, Greece, September 2017.	
	Roddy, M. and Harte, N. "Towards predicting dialog acts from previous speakers non-verbal cues", in <i>European Symposium on Multimodal Communication (MMSYM)</i> , Bielefeld, Germany October 2017.	
	Roddy, M. and Walker, J. "A method of morphing spectral envelopes of the singing voice for use with backing vocals", in <i>International Conference on Digital Audio Effects (DAFX)</i> , Erlangen, Germany, September 2014.	
REVIEWER	Conference of the <i>Irish Sound, Science, and Technology Association (ISSTA15)</i> , Limerick, Ireland, August 2015.	
RELEVANT EXPERIENCE	Programmer/Developer , Visilit, Event Production Startup Dublin, Ireland	Oct. 2013 - Sept 2014
	<ul style="list-style-type: none">• Front-end developer (JavaScript, HTML, PHP, JQuery) for a web-based application aimed at professional stage productions.	
PROGRAMMING LANGUAGES	Main Languages: Python, Matlab, C++.	