



# Aidan Oliver Thomas Hogg

## Curriculum Vitæ

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## DOCTORAL WORK

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**PhD Thesis Title:** “Audio diarization in the cocktail party scenario”

My PhD research is based around improvements to the performance of diarization of audio in the presence of high levels of noise, distortion, reverberation, and other forms of speech corruption.

## EMPLOYMENT

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### Teaching Assistant

*Imperial College London – Department of Electrical and Electronic Engineering*

OCTOBER 2017 – PRESENT

*London UK*

Teaching, learning and assessment (undergraduate & postgraduate).

### R&D Signal Processing Engineer

*Nuance Communications – Research and Development Group*

JULY 2017 – NOVEMBER 2018

*Marlow UK*

Parallel research with PhD within audio signal processing.

### Digital Design Engineer

*Dialog Semiconductor – Digital Audio Signal Processing Group*

APRIL 2016 – SEPTEMBER 2016

*Edinburgh UK*

Digital Filter Design with a focus on reducing power consumption.

### Presidents Ambassador

*Imperial College London – Student Recruitment and Outreach*

NOVEMBER 2013 – JULY 2016

*London UK*

Guiding official university tours and representing the College at Open Days.

### Field Applications Engineer

*Dialog Semiconductor – Bluetooth Customer Support Group*

JULY 2015 – OCTOBER 2015

*'s-Hertogenbosch Netherlands*

Software and hardware support for bluetooth smart devices in the SmartBond bluetooth customer support team.

### Software Development Engineer

*Dialog Semiconductor – Software Frameworks Group*

JULY 2014 – SEPTEMBER 2014

*Swindon UK*

Produced scripted *Python* tests for the National Instruments PXI platform to automate silicon validation.

### Hardware Development Engineer

*Broadcom – Mobile Application Processors Group*

AUGUST 2012 – SEPTEMBER 2013

*Cambridge UK*

FPGA prototyping for the Virtex 7 FPGA prototyping platform (Synopsys HAPS-70 series) using Verilog.

## EDUCATION

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**PhD** - SPEECH AND AUDIO PROCESSING, *Imperial College London*

2017 – 2021

**MEng** - ELECTRONIC & INFORMATION ENGINEERING (First Class Honours), *Imperial College London*

2013 – 2017

## AWARDS

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2018	<b>EEE Graduate Teaching Assistant Of The Year</b>	<i>Imperial College London</i>
2018	<b>Best Graduate Teaching Assistant SACA (shortlisted)</b>	<i>Imperial College Union</i>
2017	<b>HiPEDS CDT Scholarship</b>	<i>The Engineering and Physical Sciences Research Council</i>
2016	<b>Deans List For Academic Excellence</b>	<i>Imperial College London</i>
2016	<b>IET Undergraduate Grant</b>	<i>The Institution of Engineering and Technology</i>
2014	<b>UKESF Scholarship</b>	<i>UK Electronics Skills Foundation</i>
2013	<b>Diamond Jubilee Scholarship</b>	<i>The Institution of Engineering and Technology</i>

## PUBLICATIONS

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A. Hogg, C. Evers and P. Naylor: Speaker Change Detection Using Fundamental Frequency With Application To Multi-talker Segmentation. *In: Proc. IEEE Intl. Conf. on Acoustics, Speech and Signal Processing (ICASSP), 2019.*

## INTERESTS

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Swimming Teacher at the Aqua Swim School, Watford (2008 - 2012)

Rock Climbing (ICSMM Committee Member)

Singing (Former member of St Albans Cathedral Choirs)

Acting (Distinction in LAMDA Grade 8)