

# Mario Coutino

## MOTIVATION

I am a hard working and enthusiastic electrical engineer. Signal processing, travelling, and food, are my passions. In recent days, I've just graduated from the MSc. in Electrical Engineering of TUDelft, where I specialized in array signal processing.

## EXPERIENCE

DEC. 2015 - SEPT. 2016

Acoustic Engineering Intern  
*Bang & Olufsen A/S (Struer, Denmark)*

Master thesis project at the Research Department Project:  
Room Geometry Identification for Sound Field Estimation.

JULY 2015 - OCT 2015

Electrical Engineering Intern  
*Thales Nederlands B.V (Delft, The Netherlands)*

Engineering intern in Sensors Advanced Developments Project:  
Compressed Sensing and Information Geometry applied to  
Radar Signal Processing.

MARCH 2014 - JULY 2014

Software Developer  
*Centro de Investigación Biomédica de Occidente, México*

Project: Automatic visual tracking and statistical analysis of  
animals' performance in behavioral experiments.

SUMMER 2013

Research Intern  
Biometrics Technologies Lab  
*University of Calgary (Canada)*

Project: Seamless Biometrical Interfaces. Contribution in  
Facial Feature Detection using Breathing Motion through video  
motion magnification techniques.

JAN. 2012 - JULY 2013

Artificial Vision Group Leader  
*Academic Team of Mobile Robots – UDG*

Project management of the Global Vision project for robotic  
football.

MARCH 2011 - AUG. 2012

Software Developer  
*Universidad de Guadalajara*

Project: Computational methods for the evaluation of motion  
disorders due Parkinson's disease using Microsoft's Kinect.

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## EDUCATION

Oct 2016 – PRESENT	<b>Doctor of Philosophy</b> ELECTRICAL ENGINEERING <i>Delft University of Technology</i>
2014 - 2016	<b>Master of Science</b> Cum Laude (9.5/10) ELECTRICAL ENGINEERING <i>Delft University of Technology</i>
2009 - 2013	<b>Bachelor in Engineering</b> First Class Honours (9.8/10) COMMUNICATIONS AND ELECTRONICS <i>Universidad de Guadalajara (MX)</i>

## AWARDS

2014	<b>Graduate Studies Scholarship</b> <i>CONACYT (Mexico)</i>
2014	<b>Best Engineering Student Award</b> <i>ANFEI (Mexico)</i>
2014	<b>Ranked 1st in B.Eng. – ECE</b> <i>Universidad de Guadalajara (Mexico)</i>
2013	<b>MITACS Internship's Scholarship</b> <i>University of Calgary (Canada)</i>
2009 - 2014	<b>Outstanding Student Scholarship</b> <i>Government Support (Mexico)</i>

## COMPUTER SKILLS

Programming	MATLAB, PYTHON, R, LABVIEW MATHEMATICA, JAVA, C/C++
Others	OpenCV, OpenGL, Linux, SVN

## PERSONAL SKILLS

MANAGEMENT	Chief. Eng. of the Global Vision Project at the Academic Team of Mobile Robots – 2012-2013  Team's Co-coach for the Freescale's Intelligent Car Race – 2014
ORGANIZATION	Treasurer & Event Organizer for the Mexican Student Association in TU Delft – Aug. 2014 – Dec. 2015

LANGUAGES	
High	Spanish, English
Intermediate	Portuguese