

# JAVIER ANTORÁN

## PERSONAL DATA

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## EDUCATION

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SEPT. 2022 UNIVERSITY OF CAMBRIDGE, Darwin College, Cambridge UK  
OCT. 2019 **PhD in Advanced Machine Learning**  
Supervisor: José Miguel Hernández-Lobato | Funded by Microsoft Research  
SEPT. 2019 UNIVERSITY OF CAMBRIDGE, Darwin College, Cambridge UK  
OCT. 2018 **MPhil in Machine Learning and Machine Intelligence**, Graduate degree  
Graduated with Distinction | Class rank: 1  
JUNE 2018 TECHNICAL UNIVERSITY OF DENMARK - DTU, Copenhagen Denmark  
SEPT. 2017 **Telecommunications Engineering**, Erasmus+ program | GPA: 12/12  
JUNE 2018 UNIVERSIDAD DE ZARAGOZA, Zaragoza Spain  
SEPT. 2014 **Telecommunications Engineering**, Undergraduate degree  
GPA: 9/10, Awarded Extraordinary Distinction | Class rank: 1

## EXPERIENCE

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ONGOING | ARISE: Machine Learning Consulting  
JUNE 2017 | Startup deploying AI solutions for businesses in the agriculture, education and industrial sectors.  
SEPT. 2018 | Engineering Student, CERN, Geneva Switzerland  
JULY 2018 | *Telecommunications Engineering with ATLAS Data Acquisition (DAQ) group*  
Developed a full-scale integration testing tool for the ATLAS experiment's DAQ chain.  
AUG. 2017 | Intern at Graphics Lab, Universidad de Zaragoza, Zaragoza Spain  
JUNE 2017 | *Researching Neural Networks for Depth Imaging Applications*  
Used convolutional autoencoders to correct multipath interference in time-of-flight lidar.

## PUBLICATIONS

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JUNE 2020 | Depth Uncertainty in Neural Networks.  
J. Antorán, J.U. Allingham, J.M. Hernández-Lobato. *Under Review*  
JUNE 2020 | Getting a CLUE: A Method for Explaining Uncertainty Estimates.  
J. Antorán, U. Bhatt, T. Adel, A. Weller, J.M. Hernández-Lobato. *Under Review*  
JAN. 2020 | Variational Depth Search in ResNets.  
J. Antorán, J.U. Allingham, J.M. Hernández-Lobato. ICLR 2020 NAS workshop, Virtual  
JAN. 2019 | Disentangling and Learning Robust Representations with Natural Clustering.  
J. Antorán and A. Miguel. *IEEE ICMLA 2019, Boca Ratón, Florida, USA*

## SELECTED VOLUNTEERING, PROJECTS AND AWARDS

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ONGOING | Bayesian Neural Networks [Github Repo](#)  
APR. 2019 | J. Antorán and E. Markou. | 600+ stars, 100+ forks  
FEB. 2020 | Reviewer for International Conference on Machine Learning (ICML) 2020  
JULY 2018 | IEEE ESNOX1 Cube Satellite, Zaragoza Spain  
JAN. 2016 | *Electromagnetic sensor module design*  
MAR. 2018 | Hackathon Winner (1<sup>st</sup> Place), Adidas Machine Learning Challenge, Zaragoza Spain  
JUNE 2017 | IEEE Student Branch Chairman, Zaragoza Spain  
FEB. 2015 | Organised projects related to Machine Learning, drones, 3D printing, electronics and hydroponics.  
MAR. 2017 | Hackathon Winner (1<sup>st</sup> Place), Everis Computer Vision Challenge, Zaragoza Spain