

# J. de Curtò i DíAz

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We are a species of explorers. We keep striving, we keep believing. There is a new day beyond the challenges we face now. We will always persevere.

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[Twitter](#) [GitHub](#) [scholar.google](#) [Webpage](#)

## Education

- 2014-2015**      **MS. Computer Science;** Carnegie Mellon (Pittsburgh).  
*ML Department and Robotics.*  
Thesis: **A Library for Fast Kernel Expansions with Applications to Computer Vision and Deep Learning. Slides.**
- 2013-2015**      **MS. Electrical Engineering;** City University of Hong Kong (Hong Kong).  
*Department of Electrical Engineering. GPA: 4.12/4 (Distinction 1/+100).*
- 2011-2013**      **MS. Telecommunications;** Universitat Autònoma de Barcelona (Cerdanyola del Vallès).  
Thesis: **Construction and Performance of Network Codes. Slides. Secure Network Coding.**
- 2006-2009**      **MS. Telecommunications;** Universitat Politècnica de Catalunya (Barcelona).

## Experience

- 09/2020-12/2020**   **Localization and Environment Reconstruction Engineer.**  
**Iris Lunar Rover. Carnegie Mellon. Pittsburgh.**  
  
Teleoperations.  
  
Integral part of the team that is developing a SLAM and VIO solution for the rover that will be deployed on the Moon in 2021.  
  
Distinctions: Award for most progress made. Hackaton. 14-15 November 2020.
- 09/2018-09/2020**   **Research Scholar. Universitat Rovira i Virgili. Tarragona.**  
  
Group of Intelligent Robotics and Computer Vision.
- 10/2017-02/2018**   **Research Assistant. CUHK. Hong Kong.**  
  
Department of Computer Science and Engineering.
- 06/2017-07/2017**   **Research Assistant. Carnegie Mellon. Pittsburgh.**

Robotics.

**01/2017-05/2020 Senior Research Assistant. City University of Hong Kong. Hong Kong.**

Department of Electrical Engineering.

**05/2016-11/2017 Research Director and Technical Co-Lead. Challenger Deep, Ltd. Hong Kong.**

Top state-funded incubator program. Cyberport.

**04/2015-09/2016 Graduate Research Assistant. ETH Zürich. Zürich.**

Laboratory of Computer Vision.

**07/2015-08/2015 Research Associate. City University of Hong Kong. Hong Kong.**

Department of Computer Science.

**05/2014-08/2014 Research Associate. Carnegie Mellon. Pittsburgh.**

Robotics.

**04/2010-06/2010 Research Scientist. ALBA Synchrotron. Cerdanyola del Vallès.**

Division: Experiments and Computing.

**01/2010-02/2010 Research Assistant. ALBA Synchrotron. Cerdanyola del Vallès.**

Division: Experiments and Computing.

**06/2009-09/2009 Research Assistant. ALBA Synchrotron. Cerdanyola del Vallès.**

Division: Experiments and Computing.

## Publications

**VC Vulcan Centaur: towards end-to-end real-time perception in lunar rovers**

De Curtò and Duvall. [pdf](#)

**CE4 Cycle-consistent Generative Adversarial Networks for Neural Style Transfer using data from Chang'E-4.**

De Curtò and Duvall. [pdf dataset](#)

**Dr. of Crosswise Doctor of Crosswise: Reducing Over-parametrization in Neural Networks.**

Curtò, Zarzà, Kitani, King and Lyu. [pdf code](#)

**HDCGAN High-resolution Deep Convolutional Generative Adversarial Networks.**

Curtò, Zarzà, Torre, King and Lyu. [pdf dataset supplement](#)

**LSH**                    **Segmentation of Objects by Hashing**

Curtò, Zarzà, Smola and Gool. [pdf](#)

**McKernel**            **McKernel: A Library for Approximate Kernel Expansions in Log-linear Time.**

Curtò, Zarzà, Yang, Smola, Torre, Ngo and Gool. [pdf code](#)

## **Miscellaneous**

In Pittsburgh, Hong Kong and Zürich. My last name is 'De Curtò', 'DíAz' is the surname of my mother; 'i' is a conjunction that literally means 'and' in Catalan. 'De Curtò' signifies 'to cut' in Latin.

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