Juan José Madrigal Martínez

Madrid, Spain

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LinkedIn GitHub Kaggle Udacity

Mathematician interested in Educational Technology, willing to explore new ways to bring advanced Mathematics to the world

Skills

Programming Languages: Python
Version Control Systems: Git & GitHub
Machine Learning: SciKitLearn
Operating Systems: Linux, Windows
Mathematics Softwares: SageMath, Mathematica

Web Design: HTML5 / CSS3 / JS
Typesetting: LaTeX
Languages: Native Spanish, Proficient English, German and French

Remarkable skills:

- Understanding and mastering Mathematics, interrelating all areas and branches

- Lecturing and teaching difficult or abstract concepts

Projects

CEO of Project Mathifold   http://mathifold.org/

- 15+ collaborators

- 250+ posts

Train a Smartcab to Drive   Udacity MLND - Smartcab Project

- Successfully implemented in **python**

- Reached **A** Ratings for Safety and Reliability

Experience

Lecturer at Faculty of Mathematics UCM, Introduction to Mathematics, Linear Algebra, Algebraic Topology
Tutor at Faculty of Mathematics UCM, Linear Algebra, Real Analysis, Probability & Statistics

Education

Udacity Machine Learning Nanodegree, Sept. 2016 - .
Master in Advanced Mathematics, UCM, Sept. 2013 - Jul. 2014   9.81/10 - 3.75/4
Degree in Mathematics, UCM, Sept. 2009 - Jul. 2013   9.92/10 - 3.87/4

Awards

Extraordinary End of Studies Award (UCM)
Honourable Mention in the 49th International Mathematics Olympiad, IMO (Madrid, Spain, 2008)
Gold Medal in the National Phase of the 44th Spanish Mathematics Olympiad (Valencia, Spain, 2008)

Publications

Muñoz, V.; Madrigal, J.J. *Algebraic Topology*. Ed. Sanz y Torres