HÉCTOR MARTÍNEZ RODRÍGUEZ

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in https://www.linkedin.com/in/hector-mr/ | Ⓢ hectorhache.mr | ⌂ Pittsburgh, PA, USA

EDUCATION

University of Pittsburgh   *2014 − Present*
Graduating in April 2019. Applied for OPT to start on May 1st
Ph.D. in physics (area of concentration: astrophysics)
Scientific research focused on computational astrophysics, mathematical modeling, data mining, data analysis and data visualization to understand supernovae. Teaching assistant
Graduate mentor, member of the Graduate Council, student honoree (2017−2019), recipient of multiple awards (Chandra Cycle 19 grant, Zaccheus Daniel, PITT PACC, Thomas Lain essay prize)
6 refereed publications (3 first-author) + 4 non-refereed publications + 5 in preparation (4 first-author)
10 conference contributions (5 first-author), 15 scientific presentations, 4 seminars on how to be accepted and succeed in a foreign doctorate program

Universidad Complutense de Madrid   *2013 − 2014*
M.Sc. in astrophysics
Scientific research, data analysis, data mining, computational physics, astronomical instrumentation

Universidad Complutense de Madrid   *2008 − 2013*
B.Sc. in physics (extended)
Fundamental physics, thesis on computational physics. Teaching assistant

RELEVANT EXPERIENCE

The Astrophysical Journal   *February 2018 − Present*
Scientific referee

University of Santa Barbara   *August 2018*
Teaching associate professional (MESA Summer School)

Ohio State University, Columbus   *April 2018*
CCAPP Price Visiting Scholar, scientific research

NASA Goddard Space Flight Center, Greenbelt   *October − November 2015*
Scientific research

College / university teaching professional   *August 2014 − April 2015*
Teaching assistant: Stars, Galaxies & Cosmos and Stonehenge to Hubble

TECHNICAL STRENGTHS

Operative systems	Windows, Linux
Programming	Python, Fortran, SQL, Mathematica, Maple, Origin Pro
Data science	Data cleaning, data analysis, data visualization, probability, statistics, regression techniques, machine learning
Version control	Git, GitHub
Scientific writing	LaTex
Others	MS Office (Word, Excel, PowerPoint, etc.), LibreOffice, SSH, VPN

ADDITIONAL INFORMATION

Languages: Spanish (native), English (bilingual), French (fluent)

Machine Learning by Stanford University on Coursera. Certificate earned at Wednesday, January 16, 2019 1:39 AM GMT (https://www.coursera.org/account/accomplishments/verify/R9U8MATU4HHK)

SciCoder Workshop. Python and SQL training at New York University (2015)

Driving license: B (Spain, USA)