Alessandro Rettura

Data Scientist- Caltech

Pasadena, CA - Email me on Indeed: indeed.com/r/Alessandro-Rettura/6b1f937efd5948b9

Willing to relocate: Anywhere
Authorized to work in the US for any employer

WORK EXPERIENCE

Data Scientist

Caltech - Pasadena, CA - September 2014 to Present

Big Data Analytics, Prediction Algorithms, Scientific Computing
Statistical Analysis of Large-area Astronomical Data Surveys,
Statistics, Grant Proposal Writing, Machine Learning
Managing research team

Scientist II

Jet Propulsion Laboratory - NASA - Pasadena, CA - September 2013 to August 2014

Develop new algorithms with Python and IDL to study clustering.
ESA/NASA EUCLID Space Telescope Team
Predictive Algorithms
Managing research team

Postdoctoral Scholar

CalTech - Pasadena, CA - September 2013 to August 2014

mathematical modeling software (IDL= similar to R and Matlab)
Developed new algorithms to find clusters in large datasets.
IDL, Python Programming
Managing research team
Scientific Writing

Associate Specialist

University of California - Riverside, CA - September 2009 to August 2012

Research: Clustering in Large Surveys Data
Data Analysis: optical and infrared imaging and spectroscopy

Associate Research Scientist

Johns Hopkins University - Baltimore, MD - September 2006 to August 2009

Data Analysis of the Hubble Space Telescope data.
Clustering algorithms

EDUCATION

Ph.D. in Astrophysics

University of Paris - Paris, FR
2003 to 2006

M.Sc. in Physics

University of Naples "Federico II"
1996 to 2002

SKILLS

Data Mining (10+ years), Machine learning (10+ years), Predictive Algorithms (10+ years), IDL programming (10+ years)

LINKS

https://www.linkedin.com/in/alessandro-rettura-280332133/

AWARDS

NASA "Astrophysics Data Analysis Program" 2015 Grant

March 2016
Awarded prestigious NASA/ROSES 2015 [Astrophysics Data Analysis Program (ADAP)] Grant funding as Science-PI. Ranked in the Top 10% of all 252 submitted proposals. Develop new algorithms with Python and IDL to study clustering.

PUBLICATIONS

49 refereed publications in Top Journals