

# CURRICULUM VITAE

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Raffaele Stefano Cattolico

## EDUCATION

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- From 01-11-16 Phd Student in Astronomy, Astrophysics and Space Science  
at University Sapienza, Rome
- 01/04/2016 - 31/08/2016 Erasmus for Traineeship  
Royal Observatory of Edinburgh (ROE), United Kingdom  
Supervisor: Dr. Mariangela Bonavita  
Description: Statistical analysis of the second part of the results of  
the SPHERE GTO Survey
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- 17/10/2014 - 10/03/2016 Master of Astronomy, University of Padua  
Two-month period abroad at the Royal Observatory of  
Edinburgh (ROE), United Kingdom (01/01/2016-03/03/2016)  
Supervisor: Dr. Mariangela Bonavita  
Description: Master's thesis project  
Master's thesis: Statistical analysis of the first results of the SPHERE  
GTO Survey  
Description: Statistical analysis of the first 88 targets observed by  
the science channel IFS (Integral-Field-Spectrograph)  
during the SPHERE Guaranteed Time Survey (GTO). The final  
goal of the thesis is to put some initial constraints on  
the frequency of giant planets in wide orbits, on their  
mass distribution, on their semi-major axis distribution  
and possibly on the formation mechanism.  
Supervisor: Prof. Sergio Ortolani  
Prof. Giampaolo Piotto  
Dr. Raffaele Gratton  
Dr. Silvano Desidera  
Dr. Mariangela Bonavita  
Final Grade: 110/110 cum laude  
First class honours(1st)
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- 10/09/2008 - 12/03/2014 Bachelor of Astronomy, University of Padua  
Bachelor's thesis: Spectroscopy of the Exoplanets  
Description: Overview on the latest technique of the spectroscopic  
extrapolation of a planet spectrum from the star-like  
spectrum, comparison with the local solar-system planets  
and the state of the art about the latest models to  
characterize an exoplanet atmosphere and finally to  
detect potential bio-signatures.  
Supervisor: Prof. Sergio Ortolani  
Dr. Raffaele Gratton  
Final Grade: 94/110  
Second class honours lower division (2:2)

## COMPUTER SKILLS

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Programming languages: MatLab, IDL, IRAF, SM (Supermongo)

Operating systems: Linux, Windows

## LANGUAGES

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Italian (Mothertongue)

English (B2 level)

## REFERENCES

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Prof. Dr. Roberto Capuzzo Dolcetta

University Sapienza

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24/02/17

