

Romain Thomas

Curriculum Vitae

European Southern Observatory
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Research Interests

- EXTRAGALACTIC ASTROPHYSICS**
- Galaxy evolution
 - Physical parameters of galaxies
 - Intergalactic medium
 - Spectroscopy and photometry
- OTHERS**
- Software development

Research Experience

2017

Post-Doctoral Fellow, *European Southern Observatory*, Santiago de Chile.
Galaxy evolution at various redshifts ($0.5 < z < 5+$) using spectral and photometric data

2015

2017

Post-Doctoral researcher, *University of Valparaiso*, Valparaiso, Chile.
Intergalactic medium extinction up to $z \sim 4.5$, software development [SPARTAN]

Educational Background

2011

2014

PhD Extragalactic Astrophysics and Cosmology, *Laboratoire d'Astrophysique de Marseille*, France.
Estimation of galaxy ages in the VUDS survey

2008

2011

Magistère of Fundamental Physics, *University Paris-Sud XI*, Orsay, France.

2009

2011

MSc Fundamental Physics, *University Lyon I*, Lyon, France.

2006

2009

BSc Fundamental Physics, *University of Paris-Sud XI*, Orsay, France.

International Collaborations

2018

ATACAMA, *Science analysis, primary tool developer*.
PI: Pascale Hibon

2017

ALPINE, *Science analysis*.
PI: Olivier Le Fèvre

2015

VANDELS, *Observation at Paranal, science analysis.*

PI: L. Pentericci, R. McLure

2011

VIMOS Ultra Deep Survey, *Data reduction, determination of redshifts, manager of the spectro-photometric calibration, science analysis.*

PI: Olivier Le Fèvre

Observatory Experience

2019

UT1 Support Astronomer, *ESO*, Paranal, Chile.

2018

KMOS fellow, *ESO*, Paranal, Chile.

2018

Review and migration of SciOps softwares to a common environment, *ESO*, Paranal, Chile.

2018

EFOSC and NTT observations, *ESO*, La Silla, Chile.

2017

UT2 Support Astronomer, *ESO*, Paranal, Chile.

2017

X-shooter fellow, *ESO*, Paranal, Chile.

2015

2017

VIMOS observations, *ESO*, Paranal, Chile.

Press Release

2018

Largest Galaxy Proto-Supercluster Found, *eso1833*, co-Investigator.

Programming [Clic to go to doc!]

Author of Python
modules

2019

dfitspy, *dfits/fitsort in python*, Last version: v19.3.4.

2019

catscii, *Simple catalog query module*, Last Version: v1.3.

Author of Softwares

2019

Photon, *Graphical Interface for publication quality plots*, Last Version: v0.3.5.

2019

SEDOBS, *Observed galaxy simulation*, Last Version: v0.2.0.

2019

stpip, *pypi statistic web-scraping*, Last version: v19.3.6.

2019

catmatch, *Simple catalog cross-matching tool*, Last Version: v1.3.

2019

specstack, *Spectrum stacking algorithm tool*, Last Version: v19.4.0.

2019

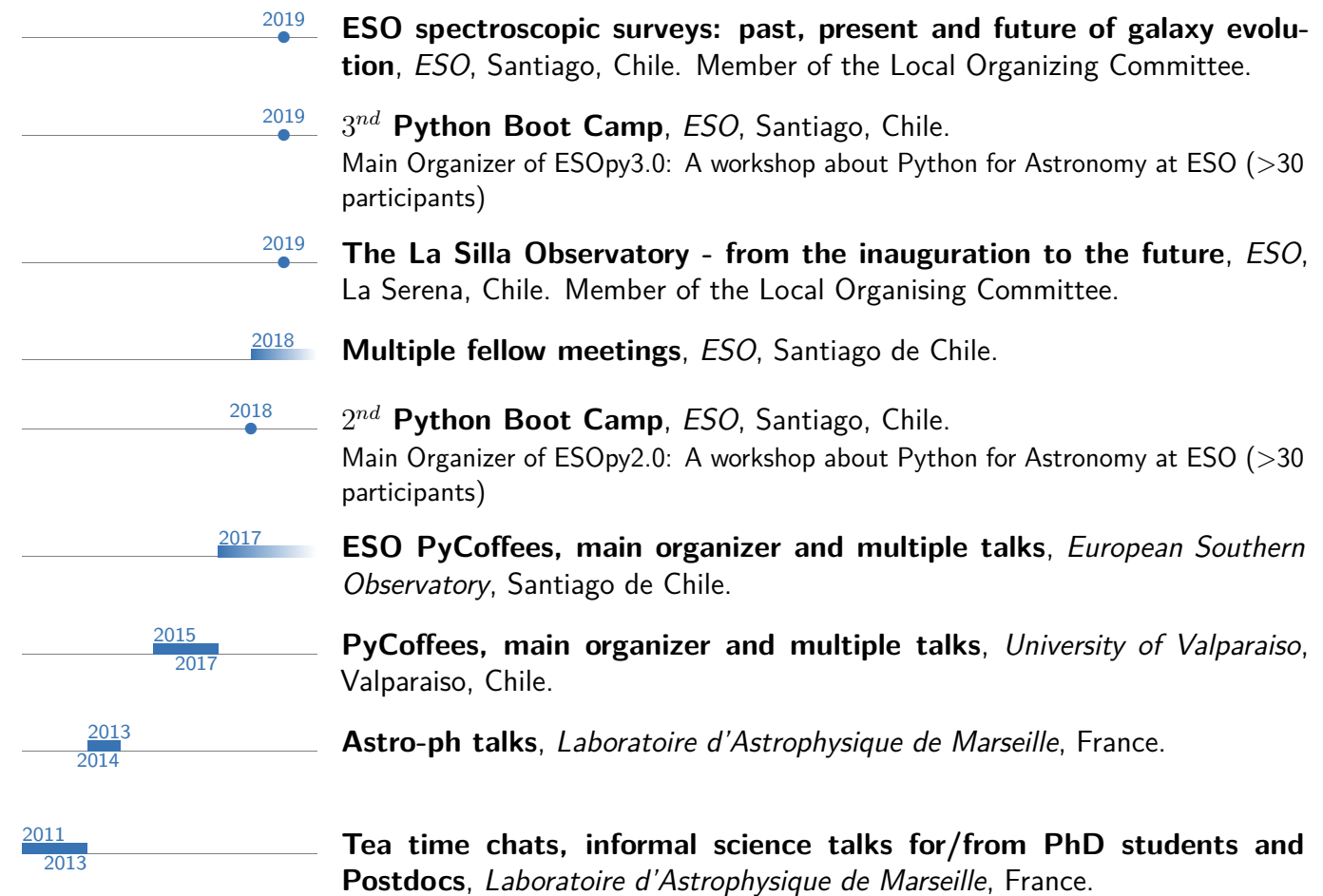
SPARTAN, *Multi-type Galaxy SED-fitting tool*, To be released.

2019

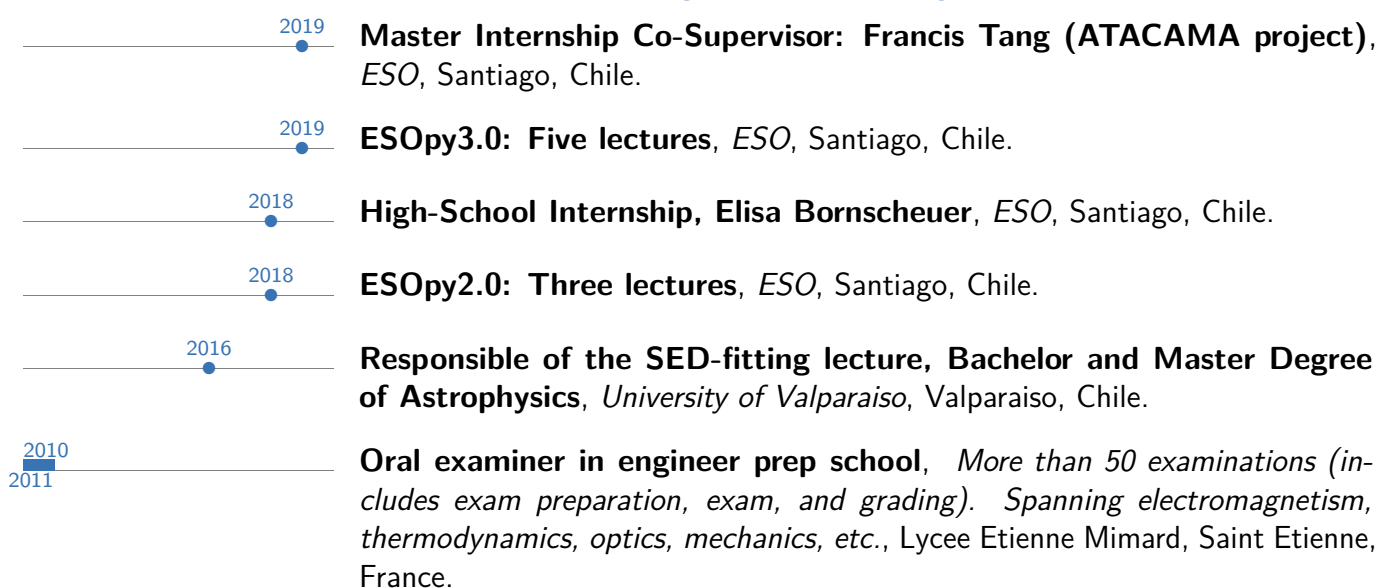
ATACAMA, *Lyman Alpha Blob systematic search tool*, In Prep..

Tools GitHub, BitBucket, SVN, LaTeX, sextractor

Event Organization



Student Mentoring and Teaching



Grants and Awards

2019

SSDF grant, *ESO*, Santiago, Chile.

In collaboration with Dr. Eleonora Sani (ESO) and Dr. Aleksandra Solarz (NCBJ, Poland). Big Data applied to Astronomy: finding anomalies in full sky surveys.

2019

SSDF grant, *ESO*, Santiago, Chile.

In collaboration with Dr. Pascale Hibon (ESO), ATACAMA project. Lyman Alpha Blobs systematic search.

2016

ASPEN conference serie travel grant, *Aspen*, United States.

2015

PhD thesis award, *Doctoral School ED352*, University of Aix Marseille, France.

Extra functional Duties

2019

Referee, *Journal of Open Source Software*.

2018

Fellow representative, *ESO*, Santiago de Chile.

2018

Referee, *Astronomy and Computing*.

2011

2015

Elected member of the Laboratory council, *Laboratoire d'Astrophysique de Marseille*.

2011

2015

Elected member of the Science council, *Laboratoire d'Astrophysique de Marseille*.

Languages

French Native

English Fluent

Spanish Basic

References

Olivier Le Fèvre

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Andrea Mehner

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