



<https://tinmarino.github.io>  
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# Martin Tourneboeuf

## Astro-engineer



### EDUCATION

#### 2011 – 2013 Astronomy (Master)

PUC, Santiago, Chile  
Observational cosmology

#### 2008 – 2011 Engineering

Polytechnique, Paris, France  
Mathematics, physics

#### 2006 – 2008 Preparatory School

Lycée Victor Grignard, Cherbourg, France  
Mathematics, physics: preparatory years for national examination

#### 2003 – 2005 High school diploma

Lycée Victor Grignard, Cherbourg, France  
Natural science

### LANGUAGE

French mother tongue  
 Spanish bilingual  
 English fluent

### PROGRAMMING

**Interpreted:** Python, BaSh, Perl, JavaScript, Iraf

**Compiled:** Java, C++, Asm (x86)

**Markup:** Markdown, LaTeX, Html

**Tool:** Casa, Ds9, Ida, Windbg, Vim, Git, Firefox

### WORKING EXPERIENCE

2019 – PRESENT

#### Software tester

Atacama Large Millimeter Array (ALMA), Santiago, Chile  
Testing: integration and validation of ALMA software monthly releases (Bash)

2015 – 2019

#### Cyber security analyst

Direction Générale de l'Armement (DGA), Rennes, France  
Reverse engineering: analysis of malwares and vulnerabilities for Windows security (C, Asm)

2013

#### Astronomer

European Southern Observatory (ESO), Santiago, Chile  
Adaptive optics: development of a GUI software to measure image quality (Python)

2012

#### Astronomer (internship)

Canada France Hawaii Telescope (CFHT), Waimea, USA  
Observational cosmology: statistical study of the star formation history (Supermongo)

2006 – 2014

#### Other professional experiences

France, India, Chile  
 Developer: video games (6 months)  
 Waiter, Barman: restaurant (8 months)  
 Air conditioning technician: internship in India (1 month)  
 Commando marine: lieutenant (8 months)  
 Summer camp leader (5 × 1 month)  
 Oyster farmer (5 × 2 weeks)