

https://tinmarino.github.io



25 december 1988



French

Martin Tourneboeuf SOFTWARE ENGINEER



EDUCATION

2011 -- 2013 Astronomy (Master)

🌷 PUC, Santiago, Chile Observational Cosmology

2008 -- 2011 Engineering

Polytechnique, Paris, France Mathematics, Physics

2006 -- 2008 Mathematics

🕮 Lycée Victor Grignard, Cherbourg, France

Mathematics, Physics: preparatory years for national examination

2003 -- 2005 High school diploma

🚇 Lycée Victor Grignard, Cherbourg, France

Natural science

WORKING EXPERIENCE

2019 -- 2023

Software Tester

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

- Development of database query programs and microservices components (Java)
- Integration and testing of new software and development of bug fixes (Cpp, Java, Python)
- Development of an automated integration and testing framework (Java, Bash)

2015 -- 2019

Cyber Security Analyst

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

- Development of YaDiff a reverse analysis function namer (Cpp)
- Development of multiple vulnerability proof of concepts (Cpp, Asm)
- · Reverse engineering of several security products, using a static based methodology with some opportunistic dynamic support from debuggers and fuzzers (Cpp, Asm).

LANGUAGE

French Mother tongue

Spanish Bilingual English Fluent

Programming

Interpreted: IavaScript,







& Iraf

Python,



Compiled: \(\begin{aligned}
\pm \quad \text{Java}, \(\begin{aligned}
\text{Rust}, \(\begin{aligned}
\text{G} \\ \text{C++}, \\
\end{aligned} **Methodology** Asm (x86)

Markup:

Markdown, Markdo

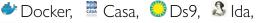


፱ Html

Firefox, Wim, Odit, Tool:















Astronomer

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

2012

2013

Astronomer (internship)

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

2006 -- 2014

Other professional experiences

A France, India, Chile

- Developer: video games en Java con LibGdx (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)