Pierre Misse

Software Developer

30 years old

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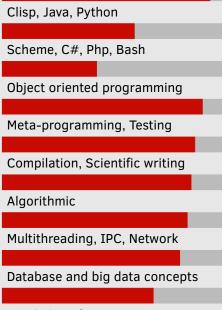
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About me -

My journey in computer science started through a few tasks as a freelancer. After a year, I decided to get a Master's degree to strengthen my knowledge. I am currently able to work on a PHD dissertation on one of my favourite computer science topics: Virtual Machines.

Skills –

C, C++, Pharo (Smalltalk), Latex



- Knowledge of:
- Formal Methods and Program Proof
- Agent-Oriented Programming
- Distributed Algorithmic
- Project Management Method

Languages -

French : native English : fluent

Education

2017 Master's degree "AIGLE" Montpellier University Architecture and engineering of software and web.

Important Projects

- Since 2021 Project Polyphemus: Retroengineering of the Pharo Image format to improve analysis and debugging of the Pharo Virtual Machine.
- Since 2019 Multiple meta-programming projects such as Visitor generation and templatized Pharo code generation.
- Since 2019 Contribution to multiple open source projects, particularly related to the Pharo project.
- Since 2019 Framework to generate C code from Pharo. Including the target C AST development, a high level type inferencer in an open world setting, and the actual generator. Developed and applied in a research context.
- 2018 Master Developing an automatic solver using the resolution method for the first-order logic in Pharo Smalltalk.
- 2018 Master C++ recognition aiming for code transformation using the ANTLR tool.
- 2017 Master Conception and implementation of a virtual machine and associated meta-circular compiler for CLisp.

Experience

Since 2019	PHD	Lille
	Work on testing of Simulation-Based Virtual machines. Mu projects on code generation and meta-programming.	ıltiple side
2019	Research internship	Lille
	Researching on the transpilation of Pharo to C.	
2017	French algorithmic contest "Le Shaker" Ranked 216/3090.	Montpellier
2012-2013	Creation and management of emailing	Sète
	Self taught HTML, CSS, for advertisement purpose for several com-	
	panies.	

Useful links

Most of my projects are publicly available at the address: https://github.com/hogoww

A short video presentation of the Polyphemus project: https://www.youtube.com/watch?v=zf3cCtNW830

Hobbies

- Beach volleyball;
- Fantasy literature;
- Skateboarding;
- Video games.



• French Category 'B' driving license