

Marco Maida Computer scientist

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About me ——

I was born in Turin, Italy, and have been tinkering with computers for as long as I can remember.

I started working professionally as a programmer In 2013. After three years, I started a bachelor degree in Computer Science, while I kept working part-time as game developer.

Once I graduated, I moved to Germany, and started a Joint Master and Ph.D. program. After completing my Master's program, publishing my first research paper, and doing an R&D internship in America, I decided not to finish my Ph.D.

Languages –

L'italiano è la mia lingua madre,

I am fluent in **English**,

und ich spreche etwas Deutsch.

Extras –

I love camping and traveling with my bike: I often do the two together • I usually risk it, if I believe I am right . Striving not to be the smartest person in the room • I play guitar and — less successfully - sing.

Skills

I have more than nine years of professional experience. I extensively worked with Python, C#, C++, C, Java, Rust and Coq code. I have a mixed background of industry and academia.

Thanks to my industry experience, I am comfortable working on big code bases in large and small teams, and quickly getting used to new technologies. Three years in research taught me how study complex problems and then design, implement, evaluate, document, and present my solutions.

I am very outgoing and I love working in teams. Due to my game development background, I am used to collaborating with different professional figures (e.g., artists, designers, musicians) and I have an eye for user experience.

Education

2019-2022	Master in Computer Science	Technische Universität Kaiserslautern
2016-2019	Bachelor in Computer Science (110/100 cum laude)	Università degli studi di Torino
2015-2016	Game dev: Software Development Private school	Event Horizon School

Experien	ce	
2022	R&D Internship I worked on accelerating SAT solv	Bloomberg LP - Chief Technology Office ing using GPUs (C++, CUDA).
2019-2022	My work has focused on timeliness	Research. Max Planck Institute certifications in safety-critical sys-Q) and on trace-based schedulabil-entored three interns.
2016-2019	I worked with Unity3D (C#) and Ur and online multiplayer games sh	34BigThings nreal Engine (C++) on single player nipped on Steam, PS4, XboxOne, gameplays, AIs, dev tools and UIs.
2015-2016		Teoresi, Choralia, Maserati software and a learning game us- pobile devices and browsers (JS). I
2013-2016	Software engineer.	R.O. srl

2013-2016 **Software engineer.**

I developed software solutions for glass processing factories. I started as a developer (C, C++, C#, SQL) and later transitioned to planning new features and managing a small team (\leq 4 people).

Projects

2021	Poet - Automatic Proof Generation	Max Planck institute
	I developed a tool that yields a worst-case-s	scenario timing analysis
	of software. The results are proven correct	
	COQ proof script. My publication has received	d the <i>outstanding paper</i>
	award at ECRTS2022, a top-class conference	for real-time systems.
	(https://pure.mpg.de/rest/items/item_3391739_1/component	nt/file_3391740/content)

2018 Fast Mobile Cycle (FMC) Framework and Toolkit. I developed an open-source Unity3D framework that makes the creation of production-ready casual games extremely fast, paired by a Python toolkit to execute bulk operations on the FMC games. (www.github.com/340penThings)

2017 Razer Chroma in Unreal Engine 4. 34BigThings I developed a framework that handles light effects on Razer's Chroma hardware that are coherent to what is happening in the game. This

system is still used today in every 34BigThings game. (www.youtube.com/watch?v=AihLBrJBufk&ab_channel=34BigThings)