



Tommaso Padovan

Computer Scientist



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About me

I put my hands on my first coding language when I was 13, developing simple video-games with DarkBASIC and I suddenly realized that it was my way.

Some years later I decided to "settle down" and began studying at *Università degli Studi di Padova* (Italy) where I acquired strong knowledge in programming (mostly C++ and Java) and Software Engineering. In the same University I achieved my bachelor degree in 2016.

After that I began my master and then moved to Darmstadt (Germany) to go "back to basics" and sharpen my skills in game technology, computer vision and hardware acceleration.

Language skills

English (B2-C1)

Italian (mother tongue)

German (learning)

French (B1)

Education

2017-now	Master degree (Erasmus) in Computer Science Specializing in Computer Vision, CUDA and Game Technology at "TU Darmstadt" ¹	Darmstadt
2016-now	Master degree in Computer Science At "Università degli Studi di Padova" ²	Padova (Italy)
2013-2016	Bachelor degree in Computer Science Achieved with 100/110 at "Università degli Studi di Padova" ² Thesis title: "Last Tango In Mountain View" ³ regarding 3D reconstruction with computer vision techniques.	Padova (Italy)
2007-2012	High school Lyceum of Sciences and Informatics	Treviso (Italy)

Work Experience

2016-2017	Developer at "Vision Lab Apps srl" ⁴ Android + back-end of streaming application for smartphones and glasses.	Part-time Job
2016	Developer at "Vic World Wide" ⁵ Prototype app for "world 3D reconstruction" using Google-Tango framework on mobile devices.	Stage
2015-2016	Developer at "EasyApp srl" ⁶ Front-end and back-end for ERPs.	Freelance Job

IT Skills

Programming languages

Good knowledge in *procedural*, *object-oriented*, *concurrent*, *functional* and *actor-based* programming paradigms.

Strong experience with:

- C / C++
- Scala (and akka)
- Java
- php

Discreet experience with:

- CUDA C++
- Python
- Javascript/NodeJS
- Bash
- Julia
- Haskell

Tools and frameworks

- Good practice with IDEs and frameworks as JetBrains Suite, QT, Android Studio, Laravel, etc.
- Familiarity with Git/GitFlow both with CLI and graphical interfaces; basic understanding of *Subversion* and *Mercurial*.
- Strong skills with Android framework and Firebase suite.
- Teamwork experience acquired during academic and professional projects; good skills in using work management-tools such as teamwork.com, Trello, GanttProject, Slack, etc.
- Good knowledge of UML graphical language and UML-editors (e.g. Astah).
- Good knowledge of Google Tango⁷ framework for augmented reality.
- Some experience with game-engines such as Unreal Engine and Unity3D.

Some projects

- Actobase: NoSQL database based on the actor model using Scala-lang with akka. Developed in a group of seven during an academic project. Source code available at: <https://github.com/SweeneyThreads/Actobase>.
- Baobab: Small set of Python scripts for simple medical image analysis. Developed for/with a PhD in psychiatry. <https://github.com/TommasoPadovan/Baobab>
- Other academic projects:
<https://github.com/TommasoPadovan/ProgettiUniPDTriennale>

¹<https://www.informatik.tu-darmstadt.de> ²<http://www.unipd.it>

³https://github.com/TommasoPadovan/LastTangoInMountainView_TesiTriennale (Italian only)

⁴<http://www.visionlabapps.com> ⁵<http://vicworldwide.com> ⁶<http://www.easyappsrl.it>

⁷<https://developers.google.com/tango>