



# Tommaso Padovan

## Computer Scientist



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Rhönring 141  
Darmstadt, 64289  
Germany



+39 3484655214



tommaso.pado@gmail.com

## 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 computer science 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" <sup>1</sup>	Darmstadt
2016-now	Master degree in Computer Science At "Università degli Studi di Padova" <sup>2</sup>	Padova (Italy)
2013-2016	Bachelor degree in Computer Science Achieved with 100/110 at "Università degli Studi di Padova" <sup>2</sup> Thesis title: "Last Tango In Mountain View" <sup>3</sup> 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" <sup>4</sup> Android streaming application for smartphones and glasses.	Part-time Job
2016	Developer at "Vic World Wide" <sup>5</sup> Prototype app for "world 3D reconstruction" using Google-Tango framework <sup>6</sup> on mobile devices.	Stage
2015-2016	Developer at "EasyApp srl" <sup>7</sup> Front-end and back-end for ERPs.	Freelance Job

## IT Skills

### Programming

Good knowledge in *procedural*, *object-oriented*, *concurrent* and *functional* programming paradigms. Experience with both *agile* and *incremental* software development models.

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).
- 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 student 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>

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

<sup>3</sup>[https://github.com/TommasoPadovan/LastTangoInMountainView\\_TesiTriennale\(Italian\)](https://github.com/TommasoPadovan/LastTangoInMountainView_TesiTriennale(Italian))

<sup>4</sup><http://www.visionlabapps.com> <sup>5</sup><http://vicworldwide.com> <sup>7</sup><http://www.easyappsrl.it>

<sup>6</sup><https://developers.google.com/tango>