

# Angelini Mattia

Developer

## About me

I love to understand how things work, so I always try to ask myself questions like, how that works? Or, how they did that? Doing this brings me new challenges, as well as new things to learn.

## Skills

Machine Learning

VR-AR

3D Graphics Software(Unity, Unreal)

Relational DBMS(Postgress, MySql)

WEB(Js,Ts,css,html)

Cloud(AWS)

Linux

OOP(Java,C#,C++)

Containers(Docker)

Italian\*6 English\*5 Mathematics\*4  
Statistic\*4

(\*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

## Education

- 06 Dic 2019 Bachelor Degree in Computer Science Pisa(Italy)  
Analysis of PointNet and PointNet++ and test with Pooling and Point-Clouds distributions.  
The code of my thesis can be found here: [https://github.com/MaGiiK02/pygeometric\\_pointnet2](https://github.com/MaGiiK02/pygeometric_pointnet2).  
Vote: 92/110
- 2009 2014 ITI E.Mattei Urbino(Italy)  
Software Development and a bit of robotics

## Experience

- 2016-2019 3logicMK ([www.3logic.it](http://www.3logic.it)) Software house  
As Full-Stack developer (using Php, Scss, Js, and Ts), and 3d solution consultant (using C# and C++).

## Projects

- University Chatty server <https://github.com/MaGiiK02/UniversityUnixServer>  
A C-Lang chat server based on the AF UNIX socket protocol, for a client, created by the professor. The more interesting thing I had built here was a complex system to create collections like hash tables, and linked list with generics types (like Java's generics), the main issue was during the free procedure where I had to keep track of each object and its relative size.
- University TURING collabroative editor <https://gitlab.com/matti.pw/turing-editor>  
An online shared editor wrote in Java using its new IO library(Java-NIO). Here I have put a lot of effort in organising the server request handling system, structured in many parts to make it easy to scale it up, using easy to replicate thread procedures and pipes between each processing phase: accepting incoming connections, read requests, execute requests, write request responses.
- University Code Interpreter No Code  
A simple code interpreter wrote in OCaml, implementing recursion and clojure definition, very helpful to get a better insight into how programs run!
- 3logicMK Acea components <https://www.acea.it/>  
A bunch of Html+css components used to build the company site via Adobe's site builder.
- 3logicMK Screen Showroom Private  
Digital showroom for 3D objects, where using the Microsoft Kinect we track the user in front of the screen and using this information to rotate the 3d Object creating the illusion of walking around the item.
- 3logicMK Service App Backend Private  
I can't disclose the app name, but we developed a big backend for a service-based app (like Deliveroo to give an example), with geo-query for localizing services within the user area using PostGIS, payment system and management console.
- Personal Astromica Backend Private  
A backend for comics artists platform wrote using the Laravel framework, that let me learn how to use cloud-based solutions for hosting, in this case, offered by AWS.

## Other information

### Public code repository

You can find the code I can show here:

- <https://github.com/MaGiiK02>
- <https://gitlab.com/matti.pw>