

# Alessandro Mascherin

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## Experiences

### Associate Researcher

11/2019 - *Present*    **CERL Group - Politecnico di Torino**

Research fields: Virtual Reality application, Brain-Computer Interfaces, implementation in C++ of complex mathematical models

### Internship

01/2016 - 07/2016    **Elimos S.r.l.**

C/C++ application for a custom Raspberry Pi platform

## Education

### Master degree in Computer Engineering

2016 - 2019    Politecnico di Torino

Final grade: 110/110

Thesis: *On an Computationally Empowered Virtual Reality System for Real Time Intracranial Neuronavigation*

### Bachelor degree in Information Engineering

2013 - 2016    Università degli studi di Trieste

## Projects

**Keep Distant!** - Unity game submission for the itch.io StayAtHome GameJam

**Make the Wall Great Again** - Unity game submission for the 2020 Global GameJam.

**OpenCV Assistant** - **OpenCV** face recognition algorithm, integrated with Google Assistant

**The Wizard** - Short animated video made in **Blender 2.79**

**NVIDIA PhysX Demo "Armadillo Game"** - Interactive application based on the low-level C++ API *NVIDIA PhysX*

**BookAround** - Android book sharing application made with Firebase, Google Books API, RxJava and RxKotlin to track live mutable data

**AlienAR** - Augmented Reality life-simulation game made with **Unity3D** and the Preview 2 version of Google ARCore.

## Computer Skills

*Basic Knowledge:*            HTML, MySQL

*Intermediate Knowledge:*    Java, Kotlin, Dart

*Advanced Knowledge:*        C++, C#, Python

## Software and Libraries

*Basic Knowledge:*            Unreal Engine, Google ARCore, Oculus SDK, OpenCV, MedInria

*Intermediate Knowledge:*    Git, Visual Studio, MATLAB, Blender, Brainstorm, Paraview

*Advanced Knowledge:*        Unity3D, SteamVR



## About me

Associate researcher at Politecnico di Torino, working for some prestigious international projects. Currently looking for opportunities to continue my career growth and to best use my skills and passions.

Contact me at: [amascherin@gmail.com](mailto:amascherin@gmail.com)

## Languages

English (Fluent)

Italian (Native)

## Interests

Travelling

VR/AR Applications

Hiking

Gaming

Animals

## Soft Skills

Adaptability

Problem Solving

Flexibility

Teamwork