

# STEFANO ESPOSITO

## Master's graduate in Artificial Intelligence and Robotics

📅 25/10/1997    📍 Currently based in Bonn, Germany    📧 Pützstraße 36, 53129  
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## EDUCATION

Master's degree in Artificial Intelligence and Robotics

### University "La Sapienza"

📅 Sept 2019 – Mar 2022    📍 Rome, Italy

Thesis title: *Real-Time Path-Tracing of Implicit Neural Representations*. Final mark: 110/110.

Research experience

### IVC, Hochschule Bonn-Rhein-Sieg

📅 Oct 2020 – Feb 2022    📍 Bonn, Germany

Two Erasmus semesters working on my master's thesis research project in the *neural rendering* group.

Bachelor's degree in Computer Science

### University "La Sapienza"

📅 Sept 2016 – Oct 2019    📍 Rome, Italy

Thesis title: *Obtaining a 3D bas-relief from an image using Inverse Rendering techniques*. Final mark: 110/110 cum laude.

High School diploma in Computer Science

### I.I.S. Luigi di Savoia

📅 Sept 2011 – July 2016    📍 Chieti, Italy

Final mark: 100/100.

## EXPERIENCE

Research Associate

### IVC, Hochschule Bonn-Rhein-Sieg

📅 May 2022 – Ongoing    📍 Bonn, Germany

Full-time position.

Computer Science Tutor (DUA)

### Villa Nazareth Servizi S.r.l

📅 2017 – 2020    📍 Rome, Italy

## PUBLICATIONS

1. **S. Esposito**, D. Baieri, S. Zellmann, A. Hinkenjann, E. Rodolà. *KiloNeuS: Implicit Neural Representations with Real-Time Global Illumination*. Preprint on ArXiv. Jun 2022.

## SUMMARY

I am a master's degree researcher with a strong passion for broad and ever-expanding fields such as deep learning, computer graphics and their intersection. I consider myself an educated programmer and a true technology enthusiast; in my spare time I like to learn new things, keep up-to-date with what is happening in the world and to connect with nature by pushing myself on tough but beautiful hikes through high mountains.

## ACHIEVEMENTS

### University College of Merit admission

📅 Sept 2016    📍 Rome, Italy

Admission to the Villa Nazareth University College of Merit of the Domenico Tardini Foundation.

### CMMRS Pre-doctoral School admission

📅 1-6 Aug 2022    📍 Saarbrücken, Germany

Attendee at Cornell, Maryland, Max Planck Pre-doctoral Research School: "Emerging Research Trends in Computer Science".

## STRENGTHS

Reliable    Self-motivated    Problem solving  
Motivator    Teamwork    Meticulous  
Determined    Open minded

Python    PyTorch    OpenCV    C++    CUDA  
OpenGL    LaTeX    Matlab    Java

Deep Learning    Computer Graphics  
Computer Vision    Robotics    Math    Algorithms

## LANGUAGES

Italian    ● ● ● ● ●  
Native speaker

English    ● ● ● ● ●  
Fluent, C1 Level

German    ● ● ● ● ●  
Basics, A1 Level