lorenzo celli
curriculum vitae

about me

I am a junior computer scientist mainly interested in computer graphics and related fields. I am currently living in Zürich where I will complete my studies.

work experience

devDept software   2020 - 2024

devDept software is a software company based in Bologna, Italy, that develops CAD frameworks for .NET using C#. I joined the company as a work-study student and have had the opportunity to work on various projects, ranging from CNC simulators to tessellation algorithms.

ECMWF   2019

During April 2019 I took part, with the help of CINECA and CNR, to the summer of weather code, a programme run by ECMWF (European Centre for Medium-Range Weather Forecasts) to develop innovative, open-source software. I worked with ECMWF once more in November 2019, this time to create some animations that were displayed at the annual AGU (American Geophysical Union) meeting.

CINECA   2018

During and after high school, I worked as an intern for CINECA (the largest Italian computing centre) as a Python programmer. My primary responsibility was to assist in the development of BVTK, an add-on for Blender that enables integration with the scientific visualization library VTK (the source is available online).

Chialab   2018

Chialab is a graphic design studio based in Bologna. I worked there as an intern for a few months during the summer of 2018 and 2019, mainly working as a web developer. Starting out from the experience at Chialab, I developed the front-end and back-end of the website ilpuntoantico.it.

education

Master in Computer Science
ETH Zürich

I am currently pursuing a Master's degree in Computer Science at ETH Zürich, specializing in Visual and Interactive Computing.

Bachelor in Computer Engineering
University of Bologna

Broad-spectrum engineering education focused on strong design and operational skills, including a solid physical and mathematical preparation.

- Final mark: 110/110 cum laude
- Thesis: *Tessellation of boundary represented CAD models (B-Rep)*
- Supervisor: Prof. Giulio Casciola

Exchange Program
University of Technology Sydney

Thanks to a scolarship offered by Unibo as a part of their Overseas program, in 2021/2022 I studied abroad for one year (however, due to the COVID pandemic, the first six months of the program were conducted remotely). I chose the University of Technology Sydney, where I studied various subjects, including: Introduction to Computer Graphics, Introduction to Data Analytics, Introduction to Computational Intelligence.

IT Technical Institute
IIS. Odone Belluzzi Fioravanti

Prior to university, I attended the IIS. Odone Belluzzi Fioravanti technical school choosing the curriculum focused on computer science.

- Final mark: 100/100 cum laude

skills

Computer Graphics and Vision

Knowledge of algorithms in computer graphics, computational geometry and computer vision. Familiarity with CAD, 3D modeling, and scientific visualization softwares.

Web Development

Knowledge of HTML, JS, CSS, PHP, SQL, familiarity with the 3D library Three.js.

Programming

Proficient with C# and Python, good with C++, C, Java.

Language

English C1 (IELTS 8.0), Italian

contacts

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