

Sofia d'Atri

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EDUCATION

USI - Università della Svizzera Italiana | Bachelor of Science in Computer Science Sep. 2021 - Present
Lugano, Switzerland

- Received **full tuition scholarship** from the Foundation for the Lugano faculties of the Università della Svizzera italiana for graduating from high school in 2021 with a cumulative grade point average of 100/100.

Liceo Enrico Medi | Scientific High School Diploma github.com/cosmcif/esame-maturita Sep. 2016 - June 2021
Villafranca VR, Italy

- Exam on "**Classic Cryptography and Quantum Computing - RSA vs Shor's algorithm**". Final grade: 100/100.

PROFESSIONAL EXPERIENCE

Data Management Stagiaire | Kellerhals Carrard | Lugano, Switzerland Dec. 2022 - Present

- Created automated flows to improve productivity in the Tax department.
- Automated time-consuming tasks for the Administrative department with scripts.

Content creator | BeQuantum www.linkedin.com/company/bequantum Nov. 2022 - Present

- Post creation for BeQuantum's social media accounts.

Web Developer - Curricular Internship | Futura Sistemi | Sommacampagna, Italy June 2019

- Designed and developed websites and an authentication system.

PROJECTS

Raytracer github.com/cosmcif/raytracer Dec. 2023

- Created a stochastic raytracer that won the 2023 Computer Graphics Rendering Competition.
- Features include Perlin noise textures, image texturing, optimization, custom obj loader.
- C++, glm, OpenMP, Wavefront obj, Blender, Autodesk 3DS Max

JourneyTales pufferfish.sa4.usi.ch Mar. 2023 - Jun 2023

- Full-stack developer in a 12 person team to create a travel social media web application.
- Developed a responsive application with OAuth2, friendship features, and real-time notifications.
- Java Spring Boot, Vue, MongoDB, JUnit

HandShake handshakeapp.ch Nov. 2022 - Dec. 2022

- Built an instant messaging web application in a group of 5 people with video calls, group chats and friends.
- Contributed to **backend** and **frontend** on features such as layout, stickers and led an **ad campaign**, including promo videos.
- Vue, vuetify, node.js, express.js, MongoDB, web sockets, material design, mocha, MEVN stack

INVITED TALKS

Quantum Computing Lectures and Conferences Feb. 2022 - Mar. 2023

- "Quantum: il futuro è già qui?" conference, Liceo Enrico Medi, Villafranca VR (Mar. 9, 2023).
- Introduction to Quantum Computing, Liceo Marconi, Milano (Mar. 3, 2023): Theoretical lecture and programming labs.
- Quantum Computing, Liceo Enrico Medi, Villafranca VR (Feb. 4-6, 2023): Theoretical lecture and programming labs.
- Quantum Computing, Liceo Enrico Medi, Villafranca VR (Feb. 19, 2022): Theoretical lecture and programming labs.

ACCOMPLISHMENTS

Junction 2023 Hackathon | Helsinki, Finland [\[link\]](#) Nov. 2023

Qiskit Localization Contributor - Platinum Level Translator - 2022 | [\[link\]](#) Nov. 2022

Quantum Excellence - Quantum Simulations | Qiskit Global Summer School 2022 [\[link\]](#) July 2022 - Aug. 2022

Quantum Excellence - Quantum Machine Learning | Qiskit Global Summer School 2021 [\[link\]](#) June 2021 - Aug. 2021

CyberChallenge.IT | CINI National Cyber Security Laboratory [\[link\]](#) Feb. 2021 - June 2021

LANGUAGES

Italian mother tongue | English advanced | French intermediate