LEONARDO GIULIANI DE SANTIS

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EDUCATION

Avogadro Scientific High School	Rome, Italy - 2021-26
CS50's Introduction to Computer Science - [Certificate](#)	February, 2024
CS50's Introduction to Programming with Python - [Certificate](#)	August, 2024
Internal Combustion Engine - [Certificate](#)	September, 2024

WORK EXPERIENCE

Tennis Club Parioli   Rome, Italy - July, 2024
Assistant - **Led the soccer training** of 10-15 kids, assisted the coach throughout the daily routine.

PROJECTS

[Fire Risk Analyzer](#) - Python   August, 2024
Analyzes multiple meteorological **data** and calculates the fire risk in a city.

[Hotel Automation](#) - Python   August, 2024
Sends booking requests to multiple hotels
Last Improvement -> **Improved** the [E-mails Found/Total Hotels] ratio **by 65%**.

Geared Turbo - OnShape   September, 2024
Designed a new turbocharger model that can both reduce turbo lag and increase top speed.
Last Improvement -> - Constantly designing new versions based on **DFM & DFA** principles.
                  - Some defects identified thanks to **DFMEA** principles.

SKILLS & INTERESTS

Software & ML:
- Python

- Pandas
- NumPy
- Matplotlib
- HTML & CSS

Mechanical:
- CAD (OnShape)
- 3D Printing used on many models designed with OnShape
- Internal Combustion Engine Knowledge

Electronics: Basic Circuits Development

Other:
- Effective Communication and Interpersonal skills
- Motivated and Determined to achieve a goal

Languages:
- Italian - Native
- English - Proficient
- Spanish - Basic

EXTRA ACTIVITIES

Summer Camps: Dublin (2022), Miami (2023 - C1 Level), Malta (2024)
Sports Practiced: Swimming, Karate, Competitive Rowing, Gym (Current), BOXE????
Trips: New York, Miami, Maldives, Mauritius, EU
Patents: Driving License (AM), Open Water Diver (Maldives - 2024)