



**Politecnico
di Torino**

Dipartimento
di Elettronica
e Telecomunicazioni

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Subject: Reference letter for Simone Candido

My name is Gabriella Bosco, and I am a Full Professor at Politecnico di Torino in Italy. I had the pleasure of teaching Simone Candido during the academic year 2023-2024 in my course on "Signal Theory and Signal Processing," as part of the Bachelor's program in Computer Engineering. Simone demonstrated outstanding academic performance, earning the highest possible grade (30 cum laude) in the final exam and excelling in coursework. He received an A on his homework on *Audio Signal Filtering and Frequency Analysis* and a B on his homework on *Spectral Analysis of Audio Signals with FFT and DFT*.

Throughout the course, Simone showed a strong analytical mindset and excellent problem-solving skills. In particular, he worked on assignments involving spectral analysis of audio signals using the Fast Fourier Transform (FFT) and Discrete Fourier Transform (DFT), as well as signal filtering techniques. These projects required a deep understanding of theoretical concepts, careful implementation in MATLAB, and teamwork. You can find the details of these assignments at the following links: [Homework 2](#) and [Homework 3](#).

One of Simone's strengths is his structured and highly organized approach to learning and problem-solving. He is meticulous in mastering every detail of a topic and ensures a comprehensive understanding of the subject matter. His ability to manage multiple challenges simultaneously is evident from his completion of four exams in the first available session, showcasing exceptional time management and dedication.

Beyond academics, Simone has also applied his technical skills in software development. Notably, in the summer of 2022, he independently developed *Turin Toret Bot*, an open-source project that led to a collaboration with the association *I Love Toret* (<https://ilovetoret.it/it/>) in September of the same year. Hosted on AWS, this bot helps users locate the nearest public fountains in Turin by processing GPS coordinates. The project highlights his ability to integrate various technologies, including Telegram APIs, geolocation algorithms, and cloud deployment. More details on this project can be found on [GitHub](#).

Simone is highly motivated to expand his expertise in IoT technologies, making him an excellent candidate for the Double Degree program at Eurecom. His passion for IoT is evident in his independent studies on LoRaWAN and microcontroller-based projects (ESP32 and other specialized boards). Additionally, his eagerness to experience a new academic environment, improve his language skills, and engage with an international community further strengthens his suitability for the program.



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For all these reasons, I strongly support Simone Candido's application to the Erasmus+ Double Degree program at Eurecom. I am confident that he will excel in this challenging and stimulating environment.

Please feel free to contact me if you require any further information.

Sincerely,

Prof. Gabriella Bosco