Federico Grimaldi

Date of birth: 20/03/2006

Nationality: Italian

Gender: Male

CONTACT

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https://federicogrim.github.io/My-CV-Site/

ABOUT ME

I am Federico Grimaldi, a high school student with a passion for computer science. With a strong foundation in IT and excellent problem-solving skills, I am eager to take on new challenges and continuously expand my knowledge. I am highly motivated and always seeking opportunities to grow and develop further in the field of technology.

WORK EXPERIENCE

01/01/2023 – CURRENT Torino, Italy

Student & PEER Professor ITTS Carlo Grassi

- Conducted computer lessons for younger students at the request of teachers.
- Managed a laboratory that integrates Computer Science, Mechatronics, and Electronics.
- Designed and assembled various types of robots.
- Led and participated in multiple technology projects.

08/01/2024 – 27/06/2024 Toritno, Italy

INTERNSHIP AS SOFTWARE DEVELOPER ExtraNet Srl

- Developed and managed microservices using Docker, Kubernetes (K3d), Helm, and API Gateway.
- Configured Gateway API and implemented authentication with Keycloak.
- Built Single Page Applications (SPA) using Next.js and integrated various APIs.
- Managed databases with Entity Framework Core.
- Implemented advanced logging using Serilog and Microsoft Logger.

01/07/2024 – 19/07/2024 Torino, Italy

INTERNSHIP AS SOFTWARE DEVELOPER AND SYSTEM ENGINEER ICCOM

- Configuration of network devices (router, switch, access point)
- Software development

EDUCATION AND TRAINING

07/09/2017 – 10/06/2020 Robassomero (TO), Italy

Secondary school diploma Secondary school Salvator Allende

07/09/2020 – CURRENT Torino, Italy

Diploma as an IT expert ITTS Carlo Grassi

LANGUAGE SKILLS

MOTHER TONGUE(S): Italian

Other language(s):

English

Listening B2		**Spoken production** B2	
Reading C1		**Spoken interaction** B2	
Writing B2			

Spanish

Listening A2
Spoken production A2
Reading A2
Spoken interaction A2
Writing A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PROJECTS

22/04/2023 – CURRENT

TechFusion

Together with some classmates, I founded and managed a laboratory called TechFusion, which integrates IT, Mechatronics, and Electronics. This experience significantly enhanced my communication and presentation skills, as I was responsible for leading classes and workshops. It also challenged me to deepen my knowledge by studying new topics to enhance the quality of my lessons. Additionally, I developed digital educational content for the participants.

05/02/2024 – 22/03/2024

RomeCup

During a robotic design challenge, my team and I developed an autonomous football-playing robot, which we presented at the RomeCup. Through this project, I gained hands-on experience with Arduino and Raspberry Pi, implementing image recognition and motion control programs using servo motors. This opportunity allowed me to sharpen my skills in hardware programming and integrate advanced technologies into practical applications.

10/03/2023 – 28/05/2023

Videogame laboratory

I completed a professional training course in video game programming, where I developed skills in using the Unity platform and related technologies. Specifically, I gained experience in writing scripts in C#, applying them to game logic and user interaction within virtual environments.

DIGITAL SKILLS

Padronanza del Pacchetto Office (Word Excel PowerPoint ecc) │Utilizzo del broswer │Windows │Linux (Ubuntu) │Vi sualStudio Code │VisualStudio │Linguaffi di programmazione: C/C++, C#, Python, JavaScript │NextJs │Buona conoscenza di piattaforme programmabili Arduino e Raspberry Pi │Gestione autonoma della posta e-mail

HOBBIES AND INTERESTS

Hobby:

My hobbies are:
-Video games
-Drawing
-Film

Interests:

My interests are:
-Software Programming
-PC assembly
-Robotics
-Video game programming

RECOMMENDATIONS

Fabrizio Pietro Cardillo Vicepreside

Professor Fabrizio Pietro Cardillo supervised my three years of IT studies and oversaw all the projects I participated in during that time.

Email fabriziopietro.cardillo@itisgrassi.edu.it │ **Phone** (+39) 3337854367

Angelo Romeo Professore e membro della vicepresidenza

Professor Angelo Romeo supervised my three years of computer studies and oversaw many of the projects I participated in during that time.

Email angelo.romeo@itisgrassi.edu.it | **Phone** (+39) 3332994411

Amatuzzo Manuel Professore e membro della vicepresidenza

Professor Amatuzzo Manuel supervised several peer tutoring projects in which I participated during my years at ITTS Carlo Grassi.

Email manuel.amatuzzo@itisgrassi.edu.it | **Phone** (+39) 3485655109

Zhongli Filippo Hu Professore

Professor Filippo Hu supervised the RomeCup project in which I participated, and he also led a Python programming course that I attended and completed.

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18/09/2024