Curriculum Vitae

Gad Marconi BSc

MareVisie Projectmanagement B.V.

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Gad Marconi

BSc. in Aerospace Engineering

- **Place of Birth:** Italy
- **Date of Birth:** 06-08-2001
- **Gender:** Male
- **Nationality:** Switzerland

Skills

Languages:

- **English** - Mother tongue
- **Italian** - Mother tongue
- **Portuguese** - Mother tongue
- **Spanish** - Proficient
- **Japanese** - Basic

Driver's licenses: B

Computer skills:

- MS Office suite
- Programming Languages (Python, C++, Matlab/Simulink)
- OOP (A&DS, Encapsulation, Abstraction, Inheritance, Design Patterns, Polymorphism)
- Data Analysis (OpenCV, Pandas, Numpy, scikit-learn, Keras, BeautifulSoup, Selenium, spaCy)
- Natural Language Processing
- CatiaV5
- Git (Github, Gitlab)

Personal Acquaintance

Gad is approachable and adaptable, known for his teamwork and problem-solving skills. With a foundation in aerospace engineering and computer science, he's adept at connecting technical concepts with practical applications, making him a valuable team member who can bridge gaps between different areas of expertise.

Proactive by nature, Gad seeks out new challenges and is always ready to learn. His teaching experience at TU Delft shows his ability to break down complex subjects into understandable terms, facilitating collaboration and understanding within teams.

His commitment to personal development, shown through regular workouts and language learning, illustrates a disciplined and goal-oriented approach. Gad's easy-going nature and eagerness to engage in projects make him well-suited to environments that value clear communication and a collective push towards completion. His positive attitude and practical mindset are assets in any project or team setting.

Profile

Gad has a practical background in both research and teaching. With a degree from TU Delft, his focus areas include Systems Engineering, Propulsion and Power, and particularly, Space Mission Design. Gad's experience at TU Delft includes working on optimizing filament winding cylinders for aerospace use, showcasing his problem-solving skills and attention to detail. As a Teaching Assistant, he supported students in understanding the complexities of Aerospace Systems Engineering and Design. His personal project involved developing a robotic spacecraft for low-earth-orbit operations, reflecting his hands-on approach to engineering challenges. Gad has also broadened his skill set with a minor in Computer Science, gaining knowledge in programming and teamwork. Fluent in English, Portuguese, Italian, and with proficiency in Spanish and Japanese, he brings a diverse cultural perspective to his work. His technical skills include proficiency in Catia V5, Matlab/Simulink, Python, C++ and a practical understanding of systems engineering. Gad is characterized by his ability to work well under pressure, collaborate effectively in teams, and his continuous pursuit of learning.

Employment History

MareVisie *Junior Consultant* — **2024 - Present**

Consultancy relating to Business & IT Transformation, including drafting and delivering training material, and preparing material for process analysis.

Delft University of Technology — **2023 - 2024**

2023 – 2024 Assistant Researcher
Worked on optimisation and refactoring of a novel method of meta-optimising variable angle filament winding cylinders using fibre steering.

2023 – 2024 Teaching Assistant
Oversaw student projects that fostered critical thinking and teamwork in Aerospace Systems Engineering and Design; which teaches the fundamentals of the systems engineering approach applied to satellite design.

Education & Certification

Education

Delft University of Technology *Delft* — **2019 – 2024**

Bachelor of Science in Aerospace Engineering

Delft University of Technology *Delft* — **2021 – 2022**

Minor in Computer Science

Certificates

Space Mission Design and Operations, EPFL (École polytechnique fédérale de Lausanne) — **2023**

Engineering Design and Simulation, Mathworks — **2023**

Extra Curricular Activities

Volunteer *Delft voor Elkaar* — **2022 – 2023**

Assistance and company for a visually impaired man.

SpaceMultitool — **2023 - Present**

Developed a tool covering the preliminary phases of spacecraft design, such as thermal simulation and astrodynamics.

Assistant–Python — **2024 - Present**

Developed a tool allowing interaction between the OpenAI assistants API and the User.