



Bárbara Luís Brito Carmelo

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About me

Currently specializing in Systems Engineering (ADO) at ISAE-SUPAERO, I bring a blend of technical curiosity and personal resilience shaped by family stories and real challenges. I'm motivated by understanding how systems connect and by building collaborative environments where people and ideas grow. I want to contribute to research that enhances the reliability and integration of complex aerospace systems.

Work experience

International Board Treasurer | EUROAVIA - The European Association of Aerospace Students | 01/10/2025 - Current

Manage budgeting, compliance and financial strategy for 4000+ members.

Main point of contact for company relations, sponsorships and strategic communication with aerospace industry.-

Coordinate EUROAVIA's representation at major events (e.g., Paris Air Show, Farnborough International Airshow).

Represented EUROAVIA at the EASA Headquarters in Cologne (25–28 November), participating in meetings on regulation, safety and student involvement.

Support visibility, partnerships and international engagement across European Local Groups.

Email: barbara.carmelo@euroavia.eu | Website: <https://euroavia.eu/>

President & Founder | AEROUm - Aerospace Engineering Student Association of the University of Minho | 01/06/2023 - 31/07/2025

Coordinated CubeSat and EuRoC rocket teams.

Organized industry meetings and academic outreach.

Delivered workshop on Lunar Base Preliminary Design.

Led integration of AeroUM into EUROAVIA International.

Summer Internship | CEiiA | 15/07/2024 - 09/08/2024 | Porto, Portugal

Selected for the national SLI – Sustainable Living Innovators.

Worked on a satellite-based Earth observation mission, communications, optics, electronics and systems modelling.

Contributed to requirements definition, architecture allocation and mass/energy budgeting.

Participated in the conceptual design of a Lunar Base with redundancy and environmental constraints.

Collaborated with international aerospace experts.

Education & Training

Bachelor's in Aerospace Engineering | University of Minho | 01/09/2022 - 30/06/2025

Class President (3 years).

Projects in flight mechanics, electronics, programming, mission analysis, materials and structures.

Participation in light aircraft flying, helicopter flying and model aircraft.

Final grade: 16.2/20

MSc in Aerospace Engineering - Major in Systems Engineering (ADO) | ISAE SUPAERO | 01/09/2025 - Current
| Toulouse, France

Skills

Leadership and self-management skills. | Technical and non-technical communication | Critical Analysis and Problem Solving | Project writing, project development & project management | Having interpersonal communication skills | Ability to work under routine and stressful situations in an accurate and timely manner | • Time Management | Flexibility adaptability and managing multiple priorities | Excellent capabilities in organization, coordination and creativity | Verification & Validation | Requirements Definitions

Volunteering

UM Sumário - Academic support program | 01/09/2023 - Current

Language Skills

Mother tongue(s): **Portuguese**

	Understanding		Speaking		Writing
	Listening	Reading	Spoken production	Spoken interaction	
English	C2	C2	C2	C2	C2
Spanish	B2	B2	B2	B2	B2
French	B1	B1	B1	B1	B1

Recommendations

| Susana Costa | susana.costa@dps.uminho.pt

| André Dias | andre.dias@ceiia.com

| Graça Minas | graca.minas@dei.uminho.pt

| Alexandre Ferreira da Silva | asilva@dei.uminho.pt

| Emir Sirage | emir.sirage@ceiia.com