

José Maria Furtado Duarte

### **Education**

Currently studying Aerospace Engineering at *Instituto Superior Técnico, Universidade de Lisboa* | 2022-2025 | Current GPA 17/20

Frequented primary and secondary education in *Salesianos de Lisboa*, finishing with a grade of 19.5/20.

### **Work experience**

I have accumulated two years of experience in providing private tutoring to high school students, focusing on Mathematics, Physics, and Chemistry;

Delegate of the President of *Senado*, a prominent political education group in Portugal, rooted in Aristotelian virtue politics.

Worked part-time for two years organizing World Youth Day in Lisbon, a globally recognized event drawing millions of young participants. Established contacts and assisted International Macro Groups in the coordination of this substantial youth gathering.

### **Language Skills**

Proficient in English, having successfully completed the Cambridge Advanced Exam with distinction, achieving an A grade.

Proficient in French at the A2 level, as demonstrated by successful completion of the DELF exam.

Capable of understanding and engaging in basic spoken and written Spanish conversations.

Able to comprehend and participate in basic spoken and written Italian conversations with a modest degree of proficiency.

### **Awards and honors**

National Champion of the Portuguese Chemistry Olympiads | 2017;

2 Times District Champion of the Portuguese Chemistry Olympiads | 2017, 2019;

Honorable Mention on the Portuguese Physics Olympiads | 2021;

### **Other Participations**

Successfully executed code in orbit aboard the International Space Station (ISS), through the Astro Pi program. The project aimed to measure the influence of the Moon on Earth's magnetic field and tides. Additionally, I developed an AI program to evaluate changes in coastal areas.

Participated in the Moon Camp Challenge, collaborating on the design of a lunar habitat. Developed a 3D digital model considering lunar environment, sustainability, and habitant well-being. Demonstrated commitment to STEM education and innovative space exploration solutions.

Engaged in the CanSat Challenge, designing and launching a mini satellite within a soda can volume. Applied engineering skills to address mission objectives and enhance hands-on experience in aerospace technology. Demonstrated teamwork and problem-solving in a STEM-focused project.

### **Community service**

Currently organizing *Missão País*, a Portuguese Catholic youth movement that organizes annual missionary experiences for university students. These experiences typically involve students spending a week living in a community, engaging in various social and community service activities.

National Coordinator of YTOL Pilgrimages, overseeing the organization and successful execution of biannual pilgrimages, uniting over a hundred participants each time.

### **Personal Statement**

As an aspiring student, eager to deepen my understanding of Aristotle's political philosophy, my journey has been shaped by diverse experiences. Through my role as a delegate of the President of *Senado*, a distinguished political education group in Portugal rooted in Aristotelian virtue politics, I've gained valuable insights into the profound connections between Politics, virtue, and the role of virtue in politics. *Senado* has inspired me to explore further and immerse myself in Aristotelian ideas. My commitment to unraveling the interplay of political friendship, homonoia, and virtue politics is encapsulated in my proposed paper, "Political Friendship and Homonoia in Practice: A Case Study of Senado." Participating in the upcoming conference represents a pivotal step in my journey, providing a platform to share insights, engage with scholars, and foster a deeper connection with the enduring relevance of Aristotle's political philosophy in contemporary society.