

Camille Dubost

Birth date: 07/14/2007 | Citizenships: France/ Brazil
Mobile: +971 52 912 8453 | Email: camillecesardubost@gmail.com

EDUCATION

Lycée Français International G. Pompidou (Dubai, UAE) - Grade 12

2024 – 2025

- Expected graduation French Baccalaureate June 2025
- Specialties: Mathematics, Advanced Mathematics, Physics, Chemistry
- Languages: Fluent in French, and English (TOEFL IBT Score: 100).

Dallas International School (TX, USA) - Grades 9-11

2021 - 2024

- Cumulative GPA: 3.97
- Academic Highest Honors received in Grades 9, 10, 11
- Recipient of Dartmouth College Book Award in Grade 11

Harvard Computer Science online course

July 2024 – On-going

- Enrolled in [Harvard CS50's](#) course to develop algorithmic thinking, and solve complex programming problems. Introduced to several languages, including C, Python, SQL, JavaScript, CSS, and HTML.

ACADEMIC LEADERSHIP

[ARISE, Aerial Robotic Capstone Competition](#)

2023 - 2024

- Led a year-long project to design and build an FPV drone with a custom payload system for precise load drops. Developed the drone's mechanics, controls, and custom battery, while training the team in piloting techniques.
- Earned "Best Documentation" award for technical documentation recognized for its comprehensiveness and clarity.

Mathematics Honor Society

2023-2024

- Active member of Mu Alpha Theta Honor Society; contributed to the design and organization of a school-wide escape game, creating complex logic challenges and fostering problem-solving and collaboration among all grade levels.

[Water 4 Future | UNESCO Hackathon](#)

2023

- Led a team of 5 to design an innovative, sustainable water collection solution for Africa, harvesting water from clouds using nets and paragliders. Won the 'Special Jury Prize' at the UNESCO Hackathon.
- Completed intensive training with engineers, subject-matter experts, and UNESCO coaches, preparing a business plan and enhancing teamwork, leadership, and presentation skills.

INTERNSHIPS

[ARIANESPACE](#), Évry-Courcouronnes, France

June 2024 (2 weeks)

- Conducted interviews across technical and business functions to gain a comprehensive understanding of the space launch value chain, including rocket configuration, payload placement, upper-stage production, and flight environment.
- Analyzed a case study on mitigating environmental constraints (vibrations, temperature fluctuations, payload orientation) to prevent payload deterioration during flight.
- Translated the Quality & Process Safety Management manual into English.

[LEOSPHERE/ VAISALA](#), Paris, France

June 2023 (1 week)

- Shadowed the LIDAR (Light Detection and Ranging) R&D team and gained hands-on experience with optical fiber properties and their real-world applications. Assisted in conducting final quality tests for LIDAR prototypes used in wind speed and weather data collection at airports and wind farms.

Camille Dubost

Birth date: 07/14/2007 | Citizenships: France/ Brazil
Mobile: +971 52 912 8453 | Email: camillecesardubost@gmail.com

AIRBUS, Grand Prairie, TX, USA

April 2023 (1 week)

- Shadowed design engineers using CAD software to create helicopter component modifications, ensuring compliance with structural requirements and FAA regulations.
- Gained firsthand experience in the blade repair workshop, utilized augmented reality for remote support, and learned about engine configurations and Fenestron technology with the maintenance team.
- Completed 1 hour of Helisim simulator training, replicating a H145 flight.

COMMUNITY SERVICE

Le Chemin de Pierre, Paris, France

July 2024 (40 hours) - On-going (2h/ week)

- Volunteered with this NGO dedicated to raising awareness about autism and promoting inclusion. Organized recreational and educational activities to enhance communication skills and cognitive development, supporting daily living activities.
- Contributed to communication campaigns aimed at increasing autism awareness.

Peer-to-peer support, Dallas Int'l School, TX, USA

2021-2024 (2h/ week)

- Assisted teachers in after-school Drone Building and Applied Engineering classes, coaching students through project design and construction. Maintained and repaired lab equipment, including 3D printers, to ensure smooth class operations.
- Enhancing support and coaching methods by identifying and addressing student challenges, to foster a collaborative and practical learning environment.

WeAreFPV

Jan 2021 - Ongoing (4h/ week)

- Shared expertise and hands-on experience on YouTube and Discord, assisting a community of over 100,000 FPV drone enthusiasts with designing, prototyping, and 3D printing UAVs and fixed-wing aircraft.
- Provided troubleshooting support and fostered collaboration within the FPV drone community.

EXTRACURRICULAR ACTIVITIES & SCHOOL ELECTIVES

Piloting

- Glider piloting: Completed a 5-day training in France, with 15 flights in 2021.
- Single-engine aircraft (Piper): Attended beginner's training in the USA and France in 2024.

Drone Racing

- Competed in bi-monthly national FPV drone races and [MultiGP global qualifiers](#). Active member of the [Dallas Drone Racing Club](#) (2022 -2024 - 5h/ week), volunteered for race field setup and takedown.

Engineering

- Applied Engineering Elective (2022-2023- 3h/week): Designed and built a solar-powered boat programmed in Arduino C++ to navigate autonomously and optimize trash collection efficiency from water surfaces.
- Designed, prototyped, and custom-built 6 FPV drones using CAD and 3D printing, optimized for racing, freestyle, or filming, and 2 fixed-wing aircraft with a 17-mile flight range.
- Proficient in CAD software: On-shape, Fusion 360, SolidWorks.

Video Editing

- Visual Media Arts Elective (2022-2023 - 1.5h/week): Collaborated in teams to write scripts, organize, and supervise productions of a series of 4-minute short films.
- Produced [videos](#) using drone footage, leveraging proficiency in Adobe Premiere Pro.