



ANNA ELENA SOFIA SEBASTIO

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DETAILS

3101 S Wabash Ave
60616, Chicago, IL, USA

Date / Place of Birth

01/07/2004 – Berlin, GER

Nationality

German / Italian

PROFILE

Recent Aerospace Engineering graduate from Illinois Institute of Technology and incoming M.S. student in Aerospace Engineering at Stanford University. Passionate about aerodynamics, propulsion, and advanced aerospace materials, with a strong interest in modelling and optimizing high-performance aeronautical systems to advance innovative and sustainable flight technologies.

EMPLOYMENT HISTORY

Research Assistant, Aerospace Department (Illinois Institute of Technology), Jan 2024-Dec 2025

Active Flow Control Research Project (under Dr. David Williams):

- Flight Data Analysis (w/ MATLAB)
- XFLR5 Aircraft Performance Simulation, Airfoil Analysis
- Carbon Fiber/Composites Lamination (Wet-Layup) and Vacuum Bagging

Engineering Intern in Aerospace & Defense Department at Carbon Dream S.p.a., Jun 2025-Aug 2025

Design and Manufacturing of high-performance composite structures

- Project Management
- Manufacturing Lifecycle Tracing
- Pre-Preg Carbon Fiber Lay-up Process

Fluid Mechanics Grading Assistant (Illinois Institute of Technology), Aug 2024-Jan 2025

EDUCATION

BSc Aerospace Engineering, Illinois Institute of Technology, Chicago, IL, Aug 2022-May 2026

Relevant Coursework (4.0 GPA):

- Aerostructures
- Thermodynamics
- Materials Science, Aerospace Materials
- Computational Mechanics
- Aerodynamics, Compressible Flow
- Aerospace Propulsion
- Aircraft Flight Mechanics
- Aircraft Design (developed 6DOF model in Simulink), Spacecraft Design (used STK Mission Planner)
- Lab work: Sub- and Supersonic Wind Tunnel Tests, ADC Data Acquisition, Op-Amp Differentiators/Integrators, Mechanical Properties Tests

German/Italian High School Degrees – Albert Einstein Gymnasium, Berlin (GER), Aug 2016-Jun 2022

SESB school (State European School Berlin): Bilingual Education in German and Italian

EXTRA-CURRICULAR ACTIVITIES

Volleyball player

- Berlin Regional Select Team for indoor and beach volleyball (2017-2022)
- Student-Athlete for NCAA Volleyball program at Illinois Institute of Technology (August 2022-May 2026)

IIT Motorsport Formula SAE Aero Team Project: Evaluated radiator placement and sidepod configuration with the primary objective of ensuring sufficient airflow to cool the battery system (Ansys Fluent Simulations)

Tau Beta Pi Engineering Honor Society, September 2024 - Present

AIAA member (American Institute of Aeronautics and Astronautics), August 2023 – Present

SAAC member at IIT (Student-Athlete Advisory Committee), January 2024 – May 2026

SKILLS

MATLAB/Simulink – experienced
Microsoft Excel – experienced
CAD (SolidWorks/Fusion 360) – experienced
XFLR5 – experienced
CAM (MasterCam) – skillful
Python – skillful

LANGUAGES

Italian – native
German – native
English – highly proficient
French – B1 level