

Omar Sinno

+1 514-386-0156

o.sinno@outlook.com

[linkedin.com/in/omar-sinno-70235b238/](https://www.linkedin.com/in/omar-sinno-70235b238/)



Aerospace professional with industry experience at Bombardier, Airbus, and Bell Textron, skilled in aircraft integration, flight controls, propulsion systems, and developing advanced engineering tools.

SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems | Windows • IOS

Applications | Microsoft Office • Google Apps

Programming | C++ • Python • VBA • MATLAB & Simulink.

Platforms | CATIA • AutoCAD • SolidWorks • Ansys • Simcenter Amesim

Technical Skills | Project Management • Manufacturing • Materials and Processes • Procedure Writing • Aerodynamics • Propulsion • Aircraft Design • Data Visualization • Requirement definition • Tool Creation

Interpersonal Skills | Time Management • Communication • Flexibility • Autonomy • Teamwork • Problem Solving • Dynamic • Load Management • Operating Under Pressure

Languages | **French:** Spoken & Written • **English:** Spoken & Written • **Arabic:** Spoken & Written.

Licenses & Certifications | Student Pilot License

EDUCATION

Bachelor of Engineering – Aerospace Engineering

2021- 2026 (Expected)

Concordia University, Montreal, QC

- Member of the Institute for Co-operative Education
- Award: 1st and 2nd Year: Honor: Dean's List.
- Relevant Courses: Aircraft Design • Thermodynamics • Space and Flight Systems • Project Management • Aerospace design project • Fluid Mechanics • Heat Transfer • Control Systems • Aircraft Hydro-Mechanical and Fuel Systems

Lebanese Baccalaureate – Scientific

June 2021

College Louise Wegmann, Beirut, Lebanon

- Graduated within top 1% of class.
- Activities: Basketball Varsity Team.

WORK EXPERIENCE

Advanced Product Development & Aircraft Integration

September 2024 – Present

Bombardier, Dorval, Quebec

- Developed a Python-based tool to size actuators and mounts for future aircraft primary flight controls.
- Supported requirements organization and documentation for a key project.
- Supported the Chief architect in all aircraft integration activities, ensuring requirements & objectives compliance.
- Followed and coordinated cross functional plans, scope of work, trade studies and decision schedules.

Sales Engineer Intern

January 2024 – September 2024

Bombardier, Dorval, Quebec

- Conducted several route studies out of limiting and non-limiting airports to conclude if operation is possible and if stops are needed.
- Created highly technical comparisons between bombardier aircraft and competitor aircraft for customers.
- Assessed aircraft range and produced range maps according to assumptions and conditions.
- Supported the team in delivering sales presentations.

Propulsion System Engineer Intern

September 2023 – January 2024

Airbus, Mirabel, Quebec

- Developed Team tools using JavaScript, html, and Google Suite.
- Collaborated with other departments and suppliers (Pratt & Whitney) and organized and attended supplier meetings to facilitate information flow and ensure project milestones were met.
- Conducted multiple engine vibration analyses and reports during test flights, monitoring vibration levels of the N_1 , N_2 and N_f rotors on the PW1500G.

Aircraft Certification Engineer Intern

January 2023 – April 2023

Bell Textron, Mirabel, Quebec

- Assisted Transport Canada delegates in materials testing.
- Verified the compliance of materials with engineering test specifications.
- Organized technical documentation for materials testing, which will be submitted to Transport Canada for certification.
- Aided planner buyers in material contract execution.

Aerodynamics Team Engineer

September 2022 – September 2023

SAE Aero design (Concordia), Montreal, Quebec

- Worked on wing-sizing, tail sizing, and design while conducting aerodynamic analyses to maximize efficiency.
- Performed multiple stability analyses of the designed plane to perfect controllability.
- Control surfaces sizing (Ailerons, Rudder, Elevator).
- Attended weekly team meetings in the presence of Structures and Systems teams.

Aircraft Maintenance Engineer Support

May 2022 – August 2022

Middle East Airlines, Beirut, Lebanon

- Conducted comprehensive analysis on the IAE V2500 engine, electrical power system, hydraulic power system, and landing gear of A320 and A321neo aircraft.
- Performed duties in accordance with applicable standards and regulatory guidelines to promote safe environments.
- Maintained, troubleshooted, and prepared Full Flight Simulator devices (A320 CAE7000XR).

AWARDS & DISTINCTIONS

2 Scholarships from The University of Toronto, Awarded based on high school performance. March 2021

VOLUNTEER WORK

- Cleaned debris off the streets after the 4th Of August Beirut blast, cleaned people's homes, fixed windows.
- Donated food and water to those who are in need and to construction workers, especially after the 4th Of August blast.

INTERESTS

Passions

Aviation, Aerospace Industry: Since I was young, I had a deep interest in aviation and was always eager to learn more. My initial ambition to pursue a career as a pilot has transformed into a passion for the aviation industry, and I am committed to advancing my involvement in all aspects of this field.

Reading

Self-development books, business books.

Investing

Stock Market, Mutual Funds, Real Estate.

Basketball

Varsity Basketball team at school as well as Al Riyadi U18 Team.