FREDERIC TOMAJIAN

4900 Cote St Luc 307, H3W2H3, Montreal, QC, Canada| Tel: +14388665603| Frederic.tomajian@mail.mcgill.ca

Portfolio website: *https://whosfrederictomajian.com* ; ***LinkedIn URL***: www.linkedin.com/in/frederic-tomajian

EDUCATION

BACHELOR OF ENGINEERING - *MECHANICAL ENGINEERING | FALL 2019 – WINTER 2024*

McGill University, Montreal, Canada, QC

- Cumulative GPA: 3.73

MINOR - *APPLIED ARTIFICIAL INTELLIGENCE| FALL 2020 - WINTER 2024*

McGill University, Montreal, Canada, QC

PROFESSIONAL EXPERIENCE.

PRATT & WHITNEY– *INDUSTRY-PARTNERED ENGINEERING PROJECT | SEPTEMBER 2023 – PRESENT*

Pratt & Whitney Canada, Longueuil, Canada, QC.

- Initiated and secured an independent engineering project in collaboration with Pratt & Whitney Canada during my senior year at McGill University.
- Led a cross-functional team to optimize the lathe process for aircraft engine disks, addressing critical manufacturing challenges in the aviation industry.
- Enhancing safety and efficiency by preventing disk detachment and material deformation during the high-stress lathe process, resulting in improved quality of engine components.
- Presenting continuous project updates and recommendations to the client (Pratt and Whitney), showcasing effective communication and leadership skills.

PRATT & WHITNEY–*PRODUCT LIFECYCLE MANAGEMENT INTERN | MAY 2023 – AUG 2023 [4 MONTHS]*

Pratt & Whitney Canada, St-Hubert, Canada, QC.

- Performed Enovia EV6 software testing, collaborating with Dassault Systemes engineers for bug testing and review meetings to customize tool implementation managed using JIRA software.
- Documented and interpreted complex technical changes for a global PLM software upgrade, catering to a user base of 8000+ globally.
- Developed and presented comprehensive training materials, facilitating User Acceptance Testing (UAT) and ensuring seamless software transition from the Enovia version 2014X to 2020X.
- Created user-friendly self-help web applications using Markdown, offering accessible online documentation and enhancing user proficiency.

AIRBUS CANADA - *THERMODYNAMICS ENGINEERING INTERN | JAN 2022 –AUGUST 2022 [8 MONTHS]*

Airbus Canada, Mirabel, Canada, QC.

- Developed software tools that perform thermodynamics and heat transfer analysis on Airbus aircraft.
- Optimized the performance of the Graphical interface to perform rapid analysis on a vast data set.
- Perform tests and simulations to ensure code validation against standard test cases.
- Review and study engineering reports and documents associated with aircraft decompression.

SKILL:

TECHNICAL SKILLS

- Programming languages: RStudio, Java, Python, Visual Basic for Applications (VBA), MATLAB, Arduino.
- Management Software: JIRA, PLM Tool: Enovia EV6 (2014X and 2020X).
- Computer-aided design (CAD/CAM): SolidWorks, Autodesk Inventor, Mastercam, Catia, Abaqus (FEA).

COMMUNICATION SKILLS

- Fluent in English, French, and Arabic.