

# Nicolas Gaucher

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## EXECUTIVE SUMMARY

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Coming from a family in the aviation industry and having grown up on 4 continents, my background uniquely positions me for a career in design engineering. From a young age I have been passionate about aviation which led me to pursue a Bachelor's degree in aerospace engineering, option: aerodynamics and propulsion.

## OBJECTIVE

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Recent Aerospace engineer graduate looking for a design position with an international aircraft development leader where I can apply my general aerospace knowledge acquired from my university education as well as my computer aided-design skills to be part of the design process of new aircraft and new aircraft components.

## PROFILE

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- Strong CREO, SOLIDWORKS and CATIAV5 knowledge.
- Coded my own portfolio using Html5 and CSS3, available at [www.NicolasGaucher.ca](http://www.NicolasGaucher.ca).
- Currently taking flying lessons to be able to pass my private's pilot license.
- Strong teamworking abilities acquired through school projects and part-time jobs.
- Fast learner which allows for a fast transition from being trained to completing tasks independently.
- Extremely motivated and great desire to learn.

## EDUCATION

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**Concordia University** – Montréal, Canada Sept 2013 – Dec 2019

*Bachelor of Aerospace engineering, Option: Aerodynamics and Propulsion*

**Udemy** Sept 2020 – Nov 2020

*Complete CATIA V5 Express Training*

**Open classrooms** Dec 2020 – Jan 2021

*Learn to create your website with Html5 and CSS3*

## ACADEMIC PROJECT

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**Capstone – Final year aircraft design project** Sept 2018 – April 2019

*Part of the team: Structural layout*

- Designed and validated the cargo's section structural layout
- Introduced to the default aircraft design process and applied it
- Skills developed: Deep understanding of Excel, AUTO-CAD, Validation strategies, Teamwork

## WORK EXPERIENCE

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**Mechanical designer** Oct 2022 – Aug 2023

*Actalent, Saint-Laurent, Canada*

- Contractor working with Actalent's client: CAE
- Participated in the computer-aided design of various components and different modules to be used in full flight simulators using CREO 8.0 and Microstation v7
- Components designed include mostly brackets made from sheet metal and sometimes 3D printed or machined parts.
- Modules personally designed were mostly the routed systems such as the AC or smoke generator, various modkits and most recently the EFB brackets installation.
- Skills developed: Understanding of CREO 8.0 and Microstation v7, Working from home efficiently under minimal supervision, Working on multiple projects effectively, Teamwork

**Mechanical designer**

Sept 2021 – June 2022

*Conception Boréale, Saint-Hubert, Canada*

- Participated in the computer-aided design of new mechanical systems using SOLIDWORKS and CATIAV5
- Designed various equipment for production, handling and lifting in the industrial sector
- Designed various tools used for a multitude of operation on Pratt and Whitney engines
- Such tools included pullers, pushers, indexing rings, oil pans, heat gun jigs, gauge spacers and more
- Tools designed were mostly aluminum made with machining in mind although some required bending of thin sheets or welded assemblies with mostly fillet welds.
- Skills developed: Understanding of SOLIDWORKS, Improved CATIAV5 abilities, Working on multiple projects effectively, Teamwork

**Delivery helper**

May 2018 – Jan 2021

*Sleeman and Brasseur RJ, Montreal, Canada*

- Assisted truck drivers when making deliveries to different commercial establishments
- Recognized for effective work and dedication to completing tasks
- Skills developed: Taking initiatives, Teamwork

**Warehouseman**

Jun 2017 – Dec 2017

*Purolator, Montreal, Canada*

- Loading and unloading of packages on trucks
- Skills developed: Working effectively under no supervision

**Bus boy**

Jun 2016 – Oct 2016

*L'Oeufrier Amherst, Montreal, Canada*

- Welcomed clients and cleaned tables among other duties
- Skills developed: Working effectively under pressure, Appropriately managing multiple tasks, Teamwork

**SKILLS AND INTERESTS**

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**Language Skills:** Fluent English and French**Computer Skills:** MS Office, AUTO-CAD, CATIAV5, SOLIDWORKS, MATLAB, CREO 8.0, Microstation v7, Html5, CSS3**Soft Skills:** Team player, Fast learner, Adapt to new environments with ease**Interests:** Sports (Ice hockey, Rollerblading), Cinema, Gardening, Video and board games, Aircrafts and space