

# Cristian Stéfan Talos

M.Sc.A. candidate, B.Eng., CPI

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## About me

Masters' student at Polytechnique Montréal with a growing interest in programming and robotics. Started a part time certificate in applied informatics at the Université de Montréal to learn new skills and face new challenges. Versatile skillset in mechanical design, electrical circuits and programming. Unsatiated thirst for knowledge, most of my free time is spent on technical personal projects through which I learn new things. Seeking a job where my overflowing creativity can help solve complex problems and where personal growth is encouraged.

## Education

Université de Montréal	Certificate in Applied Informatics, 30 credits	Graduation expected in 2024
Polytechnique Montréal	<b>Master with thesis (M.Sc.A.)</b> in Mechanical Engineering, 45 credits  Development of an active carrier for the braiding of composite materials Patent in progress and publication expected in summer 2022	Graduation expected in February 2022  GPA 3.57/4.00
	<b>Bachelor in Mechanical Engineering (B.Eng.)</b> , 120 credits  Three times recipient of the UPIR scholarship for the initiation to the research field of study	September 2019  GPA 3.14/4.00
École Nationale d'Aérotechnique	<b>Technical College Degree (DEC)</b> in aerospace engineering	May 2015  R Score 30.99

## Work Experience

<b>Mechanical Engineering Intern</b> GLP Hi-Tech, St-Jean sur Richelieu	<ul style="list-style-type: none"><li>3 axis CNC programming using CATIA v5</li><li>Update the machine tooling database and support the CNC programmers</li><li>Tests validation of an automated CAM algorithm that generates the tool path based on the feature recognition of the parts</li></ul>	Summer 2018
<b>Mechanical Engineering Intern</b> Bombardier Aerospace, Pointe Claire	<ul style="list-style-type: none"><li>Make 2D drawing on CATIA and incorporate revision changes</li><li>Incorporate the revision changes in Enovia and ensure the signature process of the newly created drawings</li><li>Support of the various design projects in the team</li></ul>	Winter 2017

# Skillset

Mechanical Design	<div></div>	CAD with CATIA (and Solidworks)
	<div></div>	Machining and manufacturing processes
	<div></div>	3D printing and rapid prototyping
	<div></div>	CNC programming (g-code) with CATIA and others
	<div></div>	Systems integration (making things fit together)
Electrical Design	<div></div>	Circuit design for various low-power applications
	<div></div>	PCB design using Autodesk Eagle
	<div></div>	Understanding electrical schematics
Programming	<div></div>	C/C++ (microcontrollers, multithreading, basic OOP)
	<div></div>	Python (DAQ, DSP, data analysis using Numpy/SciPy, etc.)
	<div></div>	Bash & Linux (Raspberry Pi)
	<div></div>	GIT (Github, Gitlab)
	<div></div>	Java (OOP, GUI using JavaFX)
	<div></div>	HTML/CSS (front-end design)
	<div></div>	MATLAB

## Interests

- Learning new programming skills
- Data acquisition, management and sharing
- Fascination for the Internet of Things
- Fascination for machine learning algorithms
- Fascination for robotic arms and CNC machines
- Love working in a multidisciplinary team

## Hobbies

- Flying drones and filming beautiful scenery
- Pilot planes in a simulator using a VR headset
- Build robots and machines with my 3D printers
- Play water-polo
- Play strategy games and board games
- Compose electronic music on my computer