

Christian Denis

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## GOALS

*I would like to be part of a stimulating team pursuing physics related goals, and, hopefully, bring my own contribution. I am dedicated and a fast-learner. If given a task, I can work in an autonomous manner as well as in a team. The two things that captivate me the most are: the solving of elegant problems and the execution of creative (possibly artistic) tasks.*

## EDUCATION

**McGill University**, Montréal

Honours Physics (B. Sc. A)

Projected Graduation: Winter 2022

CUM GPA : 3.98/4.00

**John Abbott College**, Ste-Anne de Bellevue

Arts and Sciences (DEC)

May 2019

R-Score : 33.939

**Collège Ste-Anne de Lachine**, Lachine

Concentration Musique (DES)

July 2017

General Average : 89%

## SKILLS

**Languages (spoken and written):** French, English

**Computer Skills:** Solid programming skills in Python. Knowledgeable with LaTeX. Familiar with Mathematica, HTML, CSS and Matlab. Competent with programs such as Office from Microsoft, GIMP, Pages (Apple) and Overleaf.

**Data Analysis:** Usage of Python and other statistical tools to analyze data

**Driver's License:** Class 5 Permit (Canada)

## EXPERIENCE

**Phytronix Technologies: Research Assistant** May 2020 - August 2020

Internship as research assistant at Phytronix technologies. Worked on the data analysis of a FAIMS system for the doctoral thesis of Johnathan Rochon (Université Laval, QC, Canada). Assisted the R&D department in the development of an automated pipetting robot. Used mass spectrometer to carry out a variety of tests. This involved a lot of Python programming for both the data analysis and the robotic manipulations.

**John Abbott College: Physics Tutor**

2018 - 2019

Physics tutor for classes: NYA-Mechanics, NYB-Electricity and Magnetism and NYC-Waves and Optics

**Kruger Packaging: Student Worker**

June 2019 - August 2019

"Pillar" in the cardboard manufacturing process. Industrial equipment manipulation.

**Élections Québec: Aide-Primo**

September 2018

Assisting the "primo" during the 2018 elections

**Hydro Extrusion: Student Worker**

June 2018 - August 2018

Mainly, usage of saws to cut aluminium. Heavy weights manipulation in a high-temperature environment.

**McDonald: Kitchen Employee**

June 2017 - August 2017

Kitchen employee. Tasks done quickly and under pressure.

**École de ski Mont-Blanc: Ski Instructor**

Winter 2016

Ski instructor, mainly for young kids

<b>ACTIVITIES AND INTERESTS</b>	<b>Participant in the 2020 McGill Physics Hackathon</b>	<b>2020</b>
	Creation of a generative artworks using random walks and weather data as seed. ( <a href="https://github.com/soudk/PyDinsky/tree/main/src">https://github.com/soudk/PyDinsky/tree/main/src</a> )	
	<b>“The Sunset Experiment” (as Chris Mauden)</b>	<b>2020</b>
	Music EP, composed, recorded, produced, mixed, mastered and published	
	<b>“T.H.E.C.O.R.O.N.A” (as Chris Mauden)</b>	<b>2020</b>
	Music EP, composed, recorded, produced, mixed, mastered and published	
	<b>Member of the McGill Visual Arts Society</b>	<b>2020</b>
	The McGill Visual Arts Society organizes art-themed events and workshops.	
	<b>Crater Sketching Workshop</b>	<b>2019</b>
	Crater sketching workshops given in partnership with the RASC (Royal Astronomical Society of Canada)	
<b>AWARDS AND GRANTS</b>	<b>“Differential” (as Chris Mauden)</b>	<b>2019</b>
	Music Album, composed, recorded, produced, mixed, mastered and published	
	<b>“ShadowChasers 2017: The Great American Total Solar Eclipse”</b>	<b>2018</b>
	Original Music Composer, for documentary	
	<b>“Philippe”</b>	<b>2018</b>
	Original Music Composer, for documentary	
	<b>John Abbott College Space Club</b>	<b>August 2018 - May 2019</b>
	(Vice-President) Organization of weekly meetings and construction of a telescope.	
	<b>Music recording and composition</b>	<b>2015 - now</b>
	Recording and composition of soundtracks and of studio albums.	
<b>AWARDS AND GRANTS</b>	<b>Many Travels</b> More than 40 countries, including a year-long trip around the world (2013-2014). I completed my second year of High-School autonomously.	
	<b>McGill Faculty of Science Scholarship - Dean’s Honour List</b>	<b>2020</b>
	<b>Summer Internship Grant From BioTalent Canada</b>	<b>2020</b>
	<b>2nd Position at John Abbott College at CAP exams</b>	<b>2019</b>
	<b>Certificat du Mérite en histoire pour résultat scolaire exceptionnel</b>	<b>2017</b>
	<b>Prix Coup de cœur francophone (song lyrics)</b>	<b>2017</b>
	<b>Méritas d’excellence au collège Ste-Anne in a variety of classes</b>	<b>2012 - 2017</b>
	<b>Concours Soliste de Victoriaville (Provincial Music Contest)</b>	<b>2015</b>
	Bronze, Clarinet	
	<b>Concours Soliste de Victoriaville (Provincial Music Contest)</b>	<b>2013</b>
	Silver, Clarinet	