Christian M. Denis

Date of Birth: 1999/10/20

Work: christian.denis2@mail.mcgill.ca Home: christianmdenis@gmail.com Location: Montréal, Canada Website: cmdenis.com

GOALS	I would like to be part of a stimulating team pursuing p hopefully, bring my own contribution. I am dedicated an a task, I can work in an autonomous manner as well as in that captivate me the most are: the solving of elegant prob creative (possibly artistic) tasks.	d a fast-learner. If given a team. The two things
EDUCATION	Université de Montréal , Montréal <i>Physics</i> (M. Sc.) May 2025	$\rm CUM~GPA:N/A$
	McGill University, Montréal Honours Physics (B. Sc.) December 2022	CUM GPA : 3.94/4.00
	John Abbott College , Ste-Anne de Bellevue Arts and Sciences (DEC) May 2019	R-Score : 33.939
SKILLS	Languages (spoken and written): French, English Computer Skills: Solid programming skills in Julia, Python and Mathematica. Knowledgeable with LaTeX, JavaScript, HTML, CSS and Matlab. Competent with programs such as the Office Suite from Microsoft, GIMP, Pages (Apple) and Overleaf. Data Analysis: Usage of Python, Julia and other statistical tools to analyze data Driver's License: Class 5 Permit (Canada)	
EXPERIENCE	Université de Montréal: Research Assistant Working on modelling nonlinear oscillators in presomitic tiss within Paul François' biophysics group at Université de Mon	
	McGill Physics: Undergraduate Summer Intern Summer 2022 Internship as research assistant at McGill University within Paul François' theoretical biophysics research group. Studied the topology of the "Arnold Tongue Skeleton" of a set of nonlinear mappings. Also worked on creating a model for an entrained embryonic somite segmentation clock.	
	McGill Physics: Undergraduate Summer InternSummer 2021Internship as research assistant at McGill University within Paul François' theoretical biophysics research group. Worked on numerical computations for non-linear oscillators and 2D bifurcation diagrams (mainly Arnold Tongues) for variations of the radial isochron clock. This was applied to the modelling of the somite segmentation clock.	
	Phytronix Technologies: Research Assistant Internship as research assistant at Phytronix technologies. W of a FAIMS system. Assisted the R&D department in the dew pipetting robot. Used mass spectrometer to carry out a vari a lot of Python programming.	relopment of an automated
	Math, Physics and Chemistry Tutor	2018 - Now
	Kruger Packaging: Student Worker	Summer 2019
	Norsk Hydro: Student Worker	Summer 2018

PUBLICATIONS	Arnold tongue entrainment reveals dynamical principles of the embry segmentation clock Layague Sanchez PG, Mochulska V, Mauffette Denis C, M G, Tomita T, Tsuchida-Straeten N, Petersen Y, Sonnen KF, François P, Aule eLife 11:e79575. 2022	Mönke
AWARDS AND GRANTS	McGill McGameJam 2nd Position. I mainly worked on audio production for our video game durin event. Access the game <u>here</u> .	2023 ng the
	NSERC USRA Research Award 6 000 \$ grant for undergraduate summer research.	2022
	SURA - Dixie Park Science Undergraduate Research Award 4 000 \$ grant from donors, for undergraduate summer research.	2021
	McGill Faculty of Science Scholarship - Dean's Honour List	
	Summer Internship Grant From BioTalent Canada 7 000 \$ grant for undergraduate summer research.	
	2nd Position at John Abbott College at CAP exams 2	
	Certificat du Mérite en histoire pour résultat scolaire exceptionnel 20	
	Prix Coup de cœur francophone (song lyrics)	2017
	Méritas d'excellence au collège Ste-Anne in a variety of classes 2012 - 2017	
	Concours Soliste de Victoriaville (Provincial Music Contest)201Bronze, Clarinet201	
	Concours Soliste de Victoriaville (Provincial Music Contest) Silver, Clarinet	2013
ACTIVITIES AND INTERESTS	VP Brewing - McGill Brewing Club	2022
	TVM Admin Position - Music Composer	2022
	Executive Member of TVM (Student Television at McGill) 2021 -	2022
	Participant in the 2022 McGill Physics Hackathon	2022
	Participant in the 2021 McGill Physics Hackathon	2021
	Participant in the 2020 McGill Physics Hackathon	2020
	Member of the McGill Visual Arts Society 2020 -	2021
	Organization of Crater Sketching Workshops	2019
	VP - John Abbott College Space Club August 2018 - May	2019
	Music recording and composition2015 -Recording and composition of soundtracks and of studio albums.2015 -	\cdot now

Many Travels More than 40 countries, including a year-long trip around the world (2013-2014). I completed my second year of High-School autonomously.

DISCOGRAPHY	"Lab Day 23 (feat. Jona Rada & Ali Seleit)" (as Chris Mauden) Music single, composed, recorded, produced, mixed, mastered and published	2023
	"LMP1" (as Chris Mauden) Music single, composed, recorded, produced, mixed, mastered and published	2022
	"The Sunset Experiment" (as Chris Mauden) Music EP, composed, recorded, produced, mixed, mastered and published	2020
	"T.H.E.C.O.R.O.N.A" (as Chris Mauden) Music EP, composed, recorded, produced, mixed, mastered and published	2020
	"Differential" (as Chris Mauden) Music Album, composed, recorded, produced, mixed, mastered and published	2019
FILMOGRAPHY	"Posing in Bondage" (Short) Original Music Composer Awarded "Best Student Short" at the Cannes Short Film Festival.	2023
	"Reminiscence Of The Fading Memories" (Short) Original Music Composer. <u>Link to video.</u>	2023
	"Just A Kid" (Short Documentary) Original Music Composer. Link to NFB page.	2022
	"Love Triangle" (TVM Short) Original Music Composer	2022
	"A Quirky Indie" (TVM Short) Original Music Composer, Cameraman, Actor	2021
	"Bloom" (Short) Original Music Composer	2020
	"Philippe" (Short Documentary) Original Music Composer	2018
	"ShadowChasers 2017: The Great American Total Solar Eclipse" Original Music Composer	2018