

Christine Pan

(514) 632-6215 | christinepan68@outlook.com | Montreal QC, Canada | [Linkedin](#)

Education

McGill University (Computer Science & Minor in Music Technology)

Expected Graduation: April 2024

McGill University

Relevant coursework: Data Structures, Algorithms, Web Development, Machine Learning, Programming Challenges, Artificial Intelligence, Operating Systems

Specialized Graduate Diploma Music Interpretation (Piano)

2021-2024

Conservatoire de musique de Montréal

Undergraduate Diploma (Piano)

2018-2021

Conservatoire de musique de Montréal

Work Experience

Autodesk, Montreal (hybrid)

May 2023 – August 2023

Software Developer Intern

- Created and improved unit tests and many bug fixes to maintain app's reliability
- Instrumented button clicks within the app to Amplitude for quantitative feedback
- Implemented small features such as a preference menu with user's information
- Acknowledged for the great number of contributions and for open and positive approach to tasks, recognized for delivering fixes seamlessly and was offered a return internship.
- Typescript, React.js, Docker, Storybook, Yarn, Jenkins, GitHub, Agile Methodology.

Gallea, Montreal (hybrid)

May 2021 – August 2021

Front-End Developer Intern

- Created new/fix old web pages and landing pages according to graphic designer.
- Added new resources for team members through Nova.
- Acknowledged for fast adaptation to work flow, quick familiarization to the project code and repositories, and was offered a return internship.
- HTML, CSS, Tailwind, Vue.js, Laravel, SQL.

Projects

Student Planner Website (HTML, CSS, JavaScript, SQL, PHP)

- Created landing, login, sign up and setting pages.
- Implemented planner page with calendar with form to add and remove tasks.
- Implemented a focus page with a timer for study time and a timer for break time.

Simple Sudoku Solver (Java)

- Used backtracking algorithm, build solutions step by step using recursion.
- Optimized code for harder sudoku to improve running time.
- Implemented different algorithm for different sudoku rules (queen rule, knight rule and king rule).

Encoding and Decoding with Solitaire Cards (Java)

- Implemented doubly linked list data structure for card representation.
- Created functions for Solitaire encryption and cipher such as generating keystream, encoding and decoding message.
- Implemented other basic functions like shuffle cards, add cards, remove cards, locate cards, etc.

Computer Skills

Python, Java, C, Unix, OCaml, R, HTML, CSS, React.js, Typescript, Javascript, PHP, SQL
MatLab, MAX/MSP, Arduino, Logicism
Machine Learning, Data Structure and Algorithms, AI

Achievements

- Excellence Bursary for Computer Science, Computer Engineering and Computer Construction, and Electrical, Electronic and Communications Engineering, 2021.
- Alice Ste-Marie de la Succession Marcel Vigeant (Conservatoire de musique de Montréal) Scholarship, 2020.
- Gilles Gauthier (Conservatoire de musique de Montréal) Scholarship, 2019.

- Dean's List in Pure and Applied Science (Average above 90%), Champlain College, 2020.
- Canada Music Competition, Grand Prize, 2017.
- Canadian Federation of Music Teachers' Association (CFMTA) Prize, 2017.
- Part of the "30 hot Canadian classical musicians under 30, 2017 edition" list, published by CBC. [30 hot Canadian classical musicians under 30, 2017 edition | CBC Music Read.](#)

Volunteer Work

Benefit Event of CMM, Maison Symphonique Place-des-arts Soloist with OSCMM	2023
Benefit Concert, Conservatoire de musique de Montréal Pianist	2022
Champlain College Saint-Lambert English Tutor	2019-2020
Groupe résidence Maurice, Montreal Pianist	2015-2018
Brossard Library Georgette-Lepage Homework Helper	2015-2016

Languages

French, English, Mandarin