

# Danny Xie

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## EDUCATION

### MCGILL UNIVERSITY

BA IN COMPUTER SCIENCE

MINOR IN MATHEMATICS

2018-2021E | Montreal, QC

Cumulative GPA: 3.86 / 4.0

Dean's Honours List (18-19, 19-20)

### MARIANOPOLIS COLLEGE

Grad. May 2018 | Montreal, QC

R-Score: 36.17

Marianopolis Scholar: 90+ avg.

## LINKS

Github:// [dnxie12](#)

LinkedIn:// [Danny-Xie](#)

Personal Website:// [dannyxie.me](#)

## COURSEWORK

### UNDERGRADUTE

Computational Linguistics

Data Science for Natural Language

Probability

Statistics

Software Design

Functional Programming

Advanced Discrete Mathematics

Mathematical Logic

Data Structures & Algorithms

Advanced Calculus

## SKILLS

### PROGRAMMING LANGUAGES

Python • Java • Lisp (Clojure) • R •

OCaml • Bash • VBA

### FRAMEWORKS & LIBRARIES

Plotly Dash • ggplot2 • Pandas • NumPy

• nltk

### TOOLS

Git • Hugo • Heroku • IntelliJ IDEA •

PyCharm • Visual Studio Code •

Markdown • CLI

## LANGUAGES

### NATIVE FLUENCY

English • French

### PROFICIENCY

Mandarin Chinese

## EXPERIENCE

### BELL CANADA | FIELD SERVICES CONSULTANT INTERN

May 2020 - Aug 2020 | Montreal, QC

- Created Plotly Dash app to optimize internal reporting and analysis via cross-filtering across dashboards. In production
- Analyzed, developed and presented business case around integration of NLP-based solution to automate and optimize internal issue reporting
- Developed and deployed prototypes throughout summer to favor stakeholder buy-in

### GROUPE CH & EVENKO | LOGISTICS & SECURITY COORDINATOR

Summers 2018 & 2019 | Montreal, QC

- Led and oversaw the deployment of 50+ RFID access points during 77, Heavy MTL, Osheaga, IleSoniq festivals
- Acted as liaison between Evenko, Connect & Go, and 3 different security companies
- Updated and tracked Security Department's budget on a daily basis for Evenko & Spectra festivals

### COMMUTERS OF MCGILL (COMUNITY) | SENIOR COORDINATOR

Oct 2018 - May 2020 | Montreal, QC

- Contributed to the organization and supervision of weekly and monthly social events targeted toward commuter students at McGill
- As main logistics coordinator, oversaw the 2019 edition of Off-Campus Connects, an orientation event with 600+ student attendance

## PROJECTS

### TEXT FILE TOKENIZER | FALL 2020

Python, Plotly Dash, Pandas, nltk, Heroku, Bootstrap

Created a .txt file **tokenizer** which visualizes word frequency in input file

Used nltk and Pandas to process text and Plotly Dash to visualize results

Deployed application on Heroku

### STORIFY | MCGILL CODEJAM (FALL 2019)

Python, Requests, Swift, Spotify API, Microsoft LUIS

Created iOS writing app with machine-learning based text and music suggestion

Worked on building sentiment analysis model via Microsoft LUIS and integrating it with Spotify API into a final, coherent product

### WHAT'S THAT WOOF? | McWICS HACKATHON (SPRING 2019)

Android Studio, Java, Python, Flask

Created Android dog breed identifier which uses machine learning to identify dog on pictures taken by users

Worked on building Android application front-end and integrating Python back-end

Used Android's built-in camera API

## AWARDS

2019 Best Design McWics Hackathon

2018 Best Speaker Dawson Case Competition