

Danny Xie

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EDUCATION

MCGILL UNIVERSITY

BA IN COMPUTER SCIENCE

MINOR IN MATHEMATICS

2018-2021E | Montreal, QC

Cumulative GPA: 3.88 / 4.0

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

COURSEWORK

Data Science for Natural Language

Computational Linguistics

Statistical Computing

Algorithm Design

Probability

Statistics

Software Design

Functional Programming

Advanced Discrete Mathematics

Mathematical Logic

Data Structures & Algorithms

SKILLS

PROGRAMMING LANGUAGES

Python • R • Java • Lisp (Clojure) •

OCaml • Bash

FRAMEWORKS & LIBRARIES

Python: Plotly • seaborn • pandas •

NumPy • scikit-learn • nltk • LingPy

R: tidyverse • ggplot2

TOOLS

Git • Jupyter Notebook • Heroku •

IntelliJ IDEA • PyCharm • VS Code •

Markdown • UNIX CLI

LANGUAGES

NATIVE FLUENCY

English • French

PROFICIENCY

Mandarin Chinese

LINKS

Github:// [dnxie12](#)

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

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

EXPERIENCE

BELL CANADA | FIELD SERVICES CONSULTANT INTERN

May 2020 - Aug 2020 | Montreal, QC

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

MIMENG.ART | WINTER 2021

JS, Bootstrap, AWS, Hugo, HTML, CSS

- Used Hugo to achieve < **0.5s build times** for art student portfolio showcase website with 10+ pages.
- Configured and deployed Matomo/Piwik Analytics instance on AWS hosted LAMP web server to collect and visualize visitor analytics
- Polished website through implementation of slick.js carousels, medium-like image zooming and custom hover actions

TEXT FILE CONTENT VISUALIZATION | FALL 2020

Python, Plotly Dash, pandas, nltk, Heroku, Bootstrap

- Created a .txt file processor (here) which visualizes word patterns 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

AWARDS

2019 Best Design McWics Hackathon

2018 Best Speaker Dawson Case Competition