

ROSIE ZHAO

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EDUCATION

MCGILL UNIVERSITY

BSc. HONOURS MATHEMATICS AND
COMPUTER SCIENCE

2018-May 2021 | Montreal, QC

Cum. GPA: 4.00

QUEEN ELIZABETH SCHOOL

2015-2018 | Calgary, AB

Cum. GPA: 99/100

Activities:

Calculus Teaching Assistant, STEM Tutor,
Student Council Member, Robotics
Member, Varsity Sports

SKILLS

TECHNICAL

Experienced:

Python • Java • Adobe Photoshop/GIMP
Pytorch • Keras • \LaTeX

Familiar:

HTML/CSS • Javascript • Tensorflow
C • OpenCV • React.js

LANGUAGES

• English • French (Beginner)
Mandarin Chinese (Intermediate)

RELEVANT EXPERIENCE

AIFORGGOOD SUMMER LAB PROGRAM | PARTICIPANT MILA

May 2019 - June 2019 | Montreal, QC

- One of 30 women participating in a 7-week program consisting of instruction and workshops in artificial intelligence and machine learning
- Completing a final project channeling usage of AI for social good in the context of climate change

MCGILL ARTIFICIAL INTELLIGENCE SOCIETY | VICE PRESIDENT, COMMUNICATIONS

May 2019 - Present | Montreal, QC

- Design sponsorship package, promotional material, club and hackathon websites using React.js framework
- Curating educational material for semesterly machine learning bootcamp

MAIS202 - INTRODUCTION TO MACHINE LEARNING COURSE MCGILL UNIVERSITY

Jan 2019 - Mar 2019 | Montreal, QC

- Exposed to machine learning libraries and techniques through weekly lectures and assignments administered by McGill Artificial Intelligence Society

MCGILL ROBOTICS | SOFTWARE DIVISION - COMPUTER VISION

Sep 2018 - Present | Montreal, QC

- Used OpenCV Library for autonomous underwater vehicle depth mapping and colour detection, finetuned hydrophone navigation during live pool testing

PROJECTS

CLIMATETIMES | NATURAL LANGUAGE PROCESSING

- Analyzes news outlets with various NLP algorithms (Word2Vec, LDA topic modelling, Term-Frequency Inverse-Document-Frequency) to see trends in the context of articles pertaining to climate change

LANDSCAPE NEURAL STYLE TRANSFER | PYTORCH

- Adapted both original implementation by Gatys et al. (2015) and fast implementation by Johnson et al. (2016) trained on the 2014 Microsoft COCO Dataset
- Model stylizes real life photography as Japanese animation drawings

DOG BREED CLASSIFIER ANDROID APP | ANDROID STUDIO, KERAS

- Used Inception v2 network to classify dog breeds trained on Stanford Dogs Dataset
- Designed all graphics assets including images and animations using Android Studio, Inkscape, and GIMP

AWARDS

2018 Greville Smith Prestige Scholarship - McGill University
2018 Loran National Scholarship Finalist (Top 88/5023)
2019 ConcordAI Hackathon - Third Place
2019 McGill Women in CS Hackathon - Best Graphical Interface
2019 AI4Good Hackathon - Centraide NLP Challenge Winner