ROSIE ZHAO

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OBJECTIVE

A detail-oriented individual pursuing opportunities in a fast-paced learning environment to apply responsible AI practices towards pioneering solutions.

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

AIFORGOOD SUMMER LAB PROGRAM | Participant

MILA - Quebec AI Institute
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
- Launched project in the context of climate change awareness in the media under mentorship of industry experts

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

SOCIETY OF UNDERGRADUATE MATH STUDENTS | Vice President, External Science

April 2019 - Present | Montreal, QC

- Represent math students at Faculty of Science Undergraduate Society meetings
- Organize both internal and high school outreach events to promote interest in the mathematics community

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