

Akshal Aniche

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EDUCATION

B.SC. IN HON. COMPUTER SCIENCE

McGILL UNIVERSITY, MONTREAL, QC

Graduation: February 2020

Cum. GPA: 3.98

First-Class Honours

Dean's Honour List

AWARDS

2016-2020 Edward W Beatty Scholarship

2017-2018 Dean's Honour List

2018 Faculty of Science Scholarship

2018 Dr Feng Qian Scholarship

2017 Dorothy Xanthaky Scholarship

SKILLS

PROGRAMMING

Java • Python • C • C# • Bash •

HTML • CSS • Bootstrap • JavaScript •

PHP • C++ • .NET • SQL

CONCEPTS

Applied Machine Learning •

Artificial Intelligence •

Computer Graphics •

Functional Programming •

Network Science •

Robotics

LANGUAGES

Fluent: French • English • Gujarati

Advanced: Spanish (B2 Certification)

Intermediate: Malagasy • Hindi

VOLUNTEERING

SCIENCE EQUITY COMMISSIONER

September 2018 - December 2020

- One of two equity commissioners of the McGill Science Undergraduate Society, responsible for a team of five coordinators.
- Designed and gave training to upwards of 150 executives, using conflict management and public speaking skills.
- Created bylaws for more equitable practices in the society, learning how to write practical and usable policies.

PROFESSIONAL EXPERIENCE

PEER FACILITATOR | OUR SHARED SPACES

May 2019 - May 2020 | Montreal, Quebec

- Facilitated 15 workshops for 20-50 first-year students about equity, diversity and inclusion under the McGill Office of the Dean Of Students.
- Created a workshop to lead a discussion with participants about gender, sexuality and consent, gaining insight on catering to different levels of prior knowledge when dealing with complex theories.
- Worked in a team of 20 facilitators, using conflict management strategies to improve team relationships.

UNDERGRADUATE TEACHING ASSISTANT

September 2018 - January 2020 | Montreal, Quebec

- Chosen as TA for the "Programming Languages and Paradigms" course at McGill under Dr. Brigitte Pientka and Dr. Prakash Panangaden on the basis of top grades and mastery of the course material.
- Delivered one-on-one and group assistance to students about functional programming strategies, for classes of upwards of 200 people, teaching about type checking, recursion and different approaches to improve their programming practices.

RESEARCH INTERN | FLIPPER: TALK TO YOUR ROBOT

June 2018 - August 2018 | Kaiserslautern, Germany

- Worked under Ivan Gavran at the Max Planck Institute on Flipper, an interface for natural language communication (flipper.mpi-sws.org).
- Improved the design of the front end interface using ReactJS and JQuery for a better user experience and implemented an extension of the parsing process to improve sentence comprehension in Java.

INDEPENDENT PROJECTS

NETWORK ANALYSIS OF TWITTER FAN CULTURE

November 2019 - December 2019

- Generated a Twitter user network by multi-seed snowball sampling using the Tweepy library and built a user graph network stored with Pandas.
- Performed different clustering techniques and graph network pattern analyses using the NetworkX Python library to research the structure of fan followings on Twitter.

LANGUAGE ANALYSIS IN ONLINE COMMUNITIES OF COLOR

September 2019 - December 2019

- Using the Scikit-Learn machine learning library, identified discussion topics prevalent in posts from 5 Reddit communities of color.
- Performed sentiment analysis around some topics to study how race affects conversations in online communities.
- Implemented a pipeline to process up to 250 000 comments collected using the Pushshift API.

BAMBOODGET

November 2018 - December 2018

- Created a web application for users to track and budget their monthly spending, built in ReactJS using XAMPP and the Laravel PHP framework, with an SQL database.