

# Akshal Aniche

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## EDUCATION

### B.SC. IN HON. COMPUTER SCIENCE

McGILL UNIVERSITY

MONTREAL, QC

December 2019

Cum. GPA: 3.97

### FRENCH BACCALAUREATE

LYCEE FRANCAIS DE TANANARIVE

ANTANANARIVO, MADAGASCAR

June 2016

Science stream, Mathematics Specialty

European Designation in English

Summa Cum Laude

## LINKS

### GITHUB:

[github.com/akshalaniche](https://github.com/akshalaniche)

### LINKEDIN:

[www.linkedin.com/in/akshalaniche](https://www.linkedin.com/in/akshalaniche)

## COURSEWORK

Artificial Intelligence

Applied Machine Learning

Computer Graphics

Algorithms and Data Structures

Software Design

Functional Programming

## SKILLS

### PROGRAMMING

Java • Python • C • C# • OCaml • Bash

HTML • CSS • JavaScript (ReactJS)

### OTHER

Git • Slack • Unity3D • Matlab •  $\LaTeX$

### LANGUAGES

Fluent: French • English • Gujarati

Advanced: Spanish (B2 Certification)

Intermediate: Malagasy • Hindi

## AWARDS

2016-2020 Edward W Beatty Scholarship

2017-2018 Dean's Honour List – Science

2018 Faculty of Science Scholarship

2018 Dr Feng Qian Scholarship

2017 Dorothy Xanthaky Scholarship

2017 Accenture Prize–Science

## INDEPENDENT PROJECTS

### 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.

### ASHES TO ASHES

February 2018 | McGill Game Dev Society Game Jam

- Created an arcade style game in C# using Unity3D, for web use.
- Designed and drew all art assets in Adobe Photoshop.
- Game available at [akshalaniche.itch.io/ashes-to-ashes](https://akshalaniche.itch.io/ashes-to-ashes).

### BLACKCELLENCE

February 2018 | McHacks Hackathon

- Created a card matching game to celebrate Black activists, using C# and Unity3D.
- Implemented a 180° flipping animation for revealing the cards.
- Game available at [www.cs.mcgill.ca/~aanich/blackcellence/](http://www.cs.mcgill.ca/~aanich/blackcellence/).

## PROFESSIONAL EXPERIENCE

### UNDERGRADUATE TEACHING ASSISTANT

September 2018 – April 2019 | McGill University

- Teaching Assistant for the “**COMP 302: Programming Languages and Paradigms**” course at McGill University.
- Delivered one-on-one assistance to students about functional programming techniques and strategies.
- Worked with **Prof. Prakash Panangaden** and **Prof. Brigitte Pientka** to ensure the success of the class.

### FLIPPER: TALK TO YOUR ROBOT | RESEARCH INTERN

June 2018 – August 2018 | Kaiserslautern, Germany

- Worked under **Ivan Gavran** at the **Max Planck Institute for Software Systems** on **Flipper**, an interface for natural language communication in a simulation, available at [flipper.mpi-sws.org](http://flipper.mpi-sws.org).
- Improved the design of the front end interface in ReactJS for better user experience.
- Added a reference dictionary of all commands understandable by the program.
- Implemented an extension of the parsing process to improve sentence comprehension.

## VOLUNTEERING EXPERIENCE

### MCGILL SCIENCE SOCIETY (SUS) EQUITY COMMITTEE

September 2018 – April 2020 | Equity Commissioner

- Designed and gave equity and consent training to executives from the SUS and 19 science departmental associations.
- Handled equity complaints under the scope of the SUS.