Akil Hamilton

Software and Biomedical Engineering Student

- Enrolled in second year of the Software and Biomedical Engineering Program at McMaster University.
- Worked as a Software Engineer Intern at **Telus Communications** and at **Sunnybrook Hospital**.
- Proficient in **C++**, **Python (** as well as **Cython)** and **JavaScript (NodeJs)**.
- Self-taught with **Machine Vision, Machine Learning/Deep Learning,** and **Reinforcement Learning** through online resources.
- Familiar with **TensorFlow, OpenCV, Keras, PyTorch,** as well as many **NodeJs** modules.

Personal Info

Phone
647-929-6029

E-mail
hamila10@mcmaster.ca

Date of birth
1999-01-29

Personal Website
akilhamilton.com

GitHub
github.com/akiljames83

LinkedIn
linkedin.com/in/akil-hamilton/

Skills

Python	Advanced
C++	Advanced
JavaScript	Experienced
Web Development	Experienced
Machine Vision	Experienced
Machine Learning	Experienced
Research	Experienced

Education

2017-09 - present

McMaster University

· Bachelor of **Software** and **Biomedical Engineering** (B.Eng.BME)
· GPA: **3.85**
· Expected Graduation Date: **April 2022**

Experience

2018-05 - 2018-08

Software Engineer Intern

Telus Communications

· Assisted with upgrading of local fraud desktop DB.
· Assisted in fraud investigations and follow ups with clients.
· Data Lake Machine Learning Research and Argus reporting opportunities.

2017-06 - 2017-08

Software Engineer Intern and Researcher

Sunnybrook Hospital - University of Toronto

· Developed code to analyze the clarity of Ultrasound Images for clinical use.
· Improved efficiency of analysis programs 5-fold by optimizing code.
· Collaborated with (7) research students and (3) scientists to make an effective and usable program.

Personal Projects

2018-03 - 2018-04

Write *Ai*-d

Machine Learning Developer & Webmaster

· Desktop application to aid a client with Primary General Dystonia retain her ability to write.
· Developed Image Recognition Machine Learning Algorithm to analyze text drawn on screen and hosted Web Application.
· Selected as top project in showcase held by Department of Engineering.

2017-12

Collective.Gov - YHacks

Fullstack Developer

· A secure and transparent portal for town residents to participate in local ballots.
· Use of the Kairos API for facial recognition using the user's camera and a piece of valid ID.
· Used Cloudfare technology to improve general security and enhance performance.