Akil Hamilton

Software and Biomedical Engineering Student

- Driven 2nd year student with a strong foundation in **Data Structures & Algorithms** able to efficiently apply software principles
- Proficient in **Python, C/C++, JavaScript, Java, C#** & **SQL** using **Linux** and **Windows** platforms
- Self-taught with **Machine Vision, Machine Learning** & **Deep Learning** through online resources
- Familiar with **TensorFlow, OpenCV, Keras, PyTorch, MySql, MongoDB** as well as many **NodeJs** modules
- Experience with **Git, Docker, Cloud9, AWS** & **Heorku** for version control, and application hosting

Personal Info

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E-mail
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Personal Website
AkilHamilton.com

GitHub
github.com/akiljames83

LinkedIn
linkedin.com/in/akil-hamilton/

Skills

Python
●●●●● Advanced

C/C++
●●●●● Advanced

JavaScript
●●●●○ Experienced

Web Development
●●●●○ Experienced

Machine Vision
●●●●○ Experienced

Machine Learning
●●●●○ Experienced

Education

2017-09 - present — **McMaster University**
- Bachelor of **Software** and **Biomedical Engineering** (B.Eng.BME)
- Unique program that focuses on **iterative** & **agile** development
- GPA: **3.85**

2018-09 — **Deeplearning.ai**
- Completed specialization in **Machine Learning** through Coursera
- Developed comprehensive knowledge of **CNNs**, **RNNs**, **LSTMs** & Algorithm **Optimization** and **Regularization** techniques

Experience

2018-05 - 2018-08 — **Software Engineer Intern**
Telus Communications
- Assisted with upgrading of local telecommunication fraud database
- Supported Data Lake Machine Learning Research
- Developed code to optimize call data analysis (10 minutes to 20 seconds)

2017-06 - 2017-08 — **Software Engineer Intern**
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

Personal Projects

2018-03 — **Write *Ai*-d**
Machine Learning Developer & Webmaster
- Developed a Machine Learning application to imporve client's writing ability
- Selected as top project in showcase held by Department of Engineering
- Project was nominated for National IDeA competition for its unique approach

2018-05 - present — **Pypeline**
Founder and Software Developer
- Developed Python library for easy implementation of Data Structures and Algorithms as well as easy to use tools to aid in Machine Learning, Machine Vision and Data Analysis

2017-12 — **Collective.Gov - YHacks**
Fullstack Developer
- Developed a secure portal for town residents to participate in local ballots
- Leveraged Kairos API for facial recognition using a piece of valid ID