Guy-Jacques Isombe

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Education

McMaster University
B.Eng.Mgt, Computer Engineering
and Management CO-OP | 2022 |
cGPA: 3.5

Skills

Languages:
French

Languages:
Python3, Javascript, Java, C, HTML,
CSS, MATLAB, Simulink

Libraries, Frameworks and Toolkits:
React.js, Node.js, Express.js,
Bootstrap 4, Scikit-Learn, Numpy,
pandas, Arduino

Other Technologies:
Git, PostgreSQL

Other Skills:
Pitching

Work Experience

Since Sep'19 — Program Instructor — *Mathstronauts, Hamilton, ON*
Taught class of 10 middle schoolers Arduino programming and CAD on a weekly basis
Lead them through design and assembly of proximity sensing white cane

July'18 — Robotics Student Leader — *Peel District School Board, Mississauga, ON*
Devised workshops pertaining to robotics and block programming
Administered these workshops with groups of 15-30 students aged 5 to 10 years of age.

Personal Projects

Sept-Nov '19 — Pacemaker Embedded Software & DCM — *Python: PySerial | Simulink*
Robust, safety-critical embedded software based on Boston Scientific documentation and pacemaker theory. Interfaces with GUI on a given computer through serial communication

May '20 — SmartBrain: Face Detection Web App — *Javascript: React.js, Node.js, Express.js | Database: PostgreSQL | REST APIs: Clarifai*
Web app that performs face detection on any online picture referenced through URL by the user. Complete with user login, registration and data storage functionality powered Express.js and PostgreSQL

May '20 — Robofriends: Online Friends Directory — *Javascript: React.js*
Dynamic web directory of friends' contacts complete with realtime search functionality

Feb - Mar '19 — Sumobot Embedded Software — *C++: Arduino*
Software for diagnostics, hardware control and behavioral logic of a sumobot. Earned 8th of 24 teams.

Extra-Curriculars

Since Jun'19 — Programs Chair — *National Society of Black Engineers, McMaster University*
Tasked with organizing events that strive to enhance general members' competencies including academic standing and technical skills. Organized events include: *Acing the Coding Interview (Workshop)*, *Learning Matlab Correctly (Workshop)*

Jan-May '18 — Start-up Accelerator Finalist — *HacktheCity: Genesis, 2018*
Qualified for 3 week long start-up accelerator after being one of 5 of 12 teams to qualify. Conceptualized an MVP to tackle a challenge within Health and Aging which was pitched to representatives from IBM, the city of Hamilton, McMaster University, etc.

Sep'18 — Consulting Competition Candidate — *McMaster Engineering Competition, 2018*
Presented an app that would make use of AI and a database in order to combat the high-level miseducation in farmers as a way of optimizing yield.

Achievements

May'19	Deans' Honours List
May'18	HackTheCity Genesis Beta Finalist
Nov'18	Dean of Engineering, Excellence in Innovation
Sep'17	Honour Award, Level 3