

Guy-Jacques Isombe



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isombeg.github.io

Education

McMaster University
B.Eng.Mgt, Computer Engineering
and Management CO-OP | 2023

Skills

Languages:
French

Programming Languages:
Python, Javascript, Java, C, HTML,
CSS, Scala

Libraries, Frameworks and Toolkits:
React.js, Node.js, Express.js,
Bootstrap 4, SoapUI, Arduino

Other Technologies:
Git, Relational Databases, ReadyAPI

Other Skills:
Pitching

Work Experience

May'21 - Aug'21 Backend Software Engineer Intern Coursera (Toronto, ON)
Overhauled the weekly course abstract notification job to only make 30 queries/day against our internal database platform instead of 150+ queries/hours. Thus reducing platform slowness resulting from large query queues.
Developed a job for revoking certificates that were erroneously granted to address an actual partner's immediate need.

Sep'20 - Apr'21 Software Developer Co-op Royal Bank of Canada (RBC) (Toronto, ON)
Worked on the QE Automation team, wrote scripts to simulate user behavior on the mobile banking app's back-end end points, and adding features to existing automation framework.

Personal Projects

Mar - Apr '21 BTSnake JavaScript: Node.js
Autonomous *battlesnake* initially made to compete in RBC Intern tournament. Currently stands 158th out of 452 battlesnakes in the *Global Arena*.

Feb '21 Virtual Date Web App (with API) JavaScript: React.js, Node.js, ws
Web app made to address the issue of couples not being able to see each other on Valentine's Day during the Covid-19 pandemic. Participants take part in game where they select and perform random challenges and punishments for each other. Implemented using a web socket for live interactivity between participants.

Jan '21 Fake E-Commerce Website JavaScript: Node.js, | Templating Engine: pug
E-commerce site built by writing a Node.js server used to serve web-pages. Allows users to shop for products, add to cart and checkout. Allows admins to add, edit and delete products.

May '20 SmartBrain: Face Detection Web App JavaScript: React.js, Node.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

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.

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