

Tom SARRY

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4066 Clark Street, H2W 1W9, Montreal

Skills

Programming Languages: HTML, CSS (Sass), JavaScript, React.js, Golang, TypeScript, C++, Java, Python, Ocaml
Technologies and Tools: VSCode, Github, Netlify, Heroku, REST APIs, LaTeX, Windows, Linux
Languages: French (Native Language), English (Fluent), Spanish (Intermediate)

Education

Bachelor of Science, U2 Computer Science GPA: 4.0 Sept 2019 – May 2022
McGill University (Montréal, Québec)
• **Relevant courses:** Data Structures and Algorithms, Intro to Software Development, Logic & Computability, Linux / Software systems, Functional Programming, Computer Systems, Programming Challenges.
• **Extra-Curriculars:** Java OOP/Data Structures tutor Sept 2020 – Dec 2020

French Baccalaureate GPA: 16/20 Sept 2015 – July 2019
Lycée La Bruyère (Versailles, France)

Intern at Hawai'i Communication May 2016 – Sept 2016
• Learned the importance of automating recurring tasks to improve productivity.

Awards

• **Science Scholarship**, awarded to the top 5% students of the McGill Science faculty Aug 2020 – Aug 2020
• **Dean's Honor List**, awarded to the top 10% students of the McGill Science faculty Aug 2020 – Aug 2020

Competitions


• Participant in NP-Compete @ McGill, multiple Kattis contests (Competitive Programming) Nov 2020 – Nov 2020
• Participant of the Olympiads Mathematics Competition, France Sept 2017 – Dec 2017
• Domain of Logic and Mathematics: Concours Castor and Concours Kangourou (8 times in a row) Jan 2006 – Dec 2016


Hackathon Experience [\(see the projects\)](#)

Smart-Fridge Application, Hack-McWics, MILA Montréal (80 participants & 24 project submissions) Jan 2020 – Jan 2020
• Implemented in a team of 5, an application: "I Better Munch it", that helps reduce food waste by tracking foods' expiry dates
• This web application is used to scan bar-code items or recognize specific fruits through computer vision to add different grocery items to a list along with their respective expiry date. The program sorts the list with items closest to expiry date on top.
• Self-learned and implemented a simple neural network to recognize specific fruits in python using opencv and keras.

2nd place Winner Internet of Things, CodeJam Hack Montréal (300 participants & 40 project submissions) Nov 2019 – Nov 2019
• Implemented in a team of 4, an application named Eleven for Gesture-Controlled Smart-Home.
• The model detects & recognizes real-time hand gestures of users and triggers different electronics in a smart home.
• Worked on integrating the ML model in python to an Arduino using the pySerial module, to control RGB LED lights.
• Demonstrated good communication skills by presenting the project to the Judges and promptly answered to their questions

Projects

Wasted on YouTube [\(see the project\)](#)  Aug 2020 – Sept 2020
• Full Stack project made with React, TypeScript and Sass for the frontend, Golang for the backend and Docker.
• This application gives the user an estimated time spent on YouTube, using the Google Takeout option to retrieve its history.
• Self-learned and implemented multi-threading on the API calls to accelerate the process.
• Gained experience on hosting: used Netlify for the frontend and Heroku for the backend.

weather [\(see the project\)](#) 
• Fast CLI weather app made with Go, using the Open Weather API to get the weather for any city.
• Ability to save a "preferred" city for convenience using a local JSON file. Gestion of flags.

Activities & Hobbies

Long Distance Running
• Half-marathon of Paris (21.1 km – 1h42 – ranked 6000/34000) Mar 2019 – Mar 2019
• Paris Versailles (16.4km – 1h24) Sept 2018 – Sept 2018