Samy Zarour

Software Developer

- 📞 514-924-1914
- ✉ zarour.samy@gmail.com
- github.com/SamyZarour
- 🌐 samy.xyz

About

I'm a machine learning enthusiast and a dreaming entrepreneur.

I love to create meaningful software with minimal design and modern technologies. I'm an active pursuer of knowledge and I'm particularly interested in the field of Education and Linguistics.

Outside of code I enjoy thought-provoking movies or books, algorithmic challenges, taekwondo and soccer.

Finally, I believe passion inspires passion. I attend or mentor at Hackathons to grow my own and ignite it in others.

native	native	fluent	proficient	limited

Education

McGill University

🎓 BSc. in Computer Science

🕐 Fall 2013 - Winter 2018

Collège Stanislas

🎓 French Baccalaureate in Science (equiv. to DEC in Natural Sciences)

🕐 Fall 2010 - Summer 2013

Core Languages

- JavaScript
- HTML/CSS
- Python
- C++
- Java
- Scala

Tools

- Android
- MongoDB
- NodeJS
- Django
- ReactJS
- Tensorflow

Professional Experience
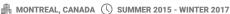
SOFTWARE DEVELOPER *at IBM Watson*

🏢 TORONTO, CANADA   🕐 SUMMER 2018 - ONGOING

- Implement algorithms and develop systems for information extraction, machine learning, or related areas in the context of large online delivery environments.
- Work closely with researchers as part of experiments. Help identify solutions, develop custom software, process data, run experiments, and capture and document results.

SOFTWARE DEVELOPER *at Ericsson*

🏢 MONTREAL, CANADA   🕐 SUMMER 2015 - WINTER 2017
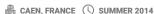
- Worked in the innovation Team of Ericsson, the ICT giant
- Improved my communication and public speaking skills by discussing potential solutions to City problems with colleagues and then pitching them to company representatives.
- Built prototypes for these solutions, improving my software architecture and design skills.
- We used the best suited technology for each project which taught me to adapt quickly.

LEAD INSTRUCTOR *at KidsCODEJeunesse*

🏢 MONTREAL, CANADA   🕐 WINTER 2014 - ONGOING

- KidsCODEJeunesse aims to expose young students to computational thinking.
- My roles include designing/building the website, leading workshops and teaching

RESEARCH ASSISTANT *at the GREYC*

🏢 CAEN, FRANCE   🕐 SUMMER 2014

- Worked on the exploratory mapping engine of the GREYC research team's robot for the STAGE competition. This involved work in computer vision and human-robot interactions.
- I worked mainly with Java but also with C++ and C.

Projects

IMMERSED

- An award winning mobile application and chrome extension for language learning.
- Built the entirety of the product. This includes the API, as well as the Web and Mobile app.
- Learned how to build unusual apps that go beyond the standard MVC model.
- Learned the value of Test Driven Development for projects with a lot of moving pieces.

BLUEPRINT

- Personalised graphical representation of course outline and their requirements.
- Fetched student classes using McGill's API and generated a personalized tree using NodeJS and MongodDB.

KIDSCODEJEUNESSE.ORG

- Built a website in WordPress to be used by none technical members of the team.
- Learned to communicate adequately with the users and assess their needs in order to deliver a product with the user in mind.
- Built an automated matching system between volunteers and schools in PHP.

Relevant Coursework

COMP 424 - **Artificial Intelligence**

COMP 558 - **Computer Vision**

COMP 551 - **Applied Machine Learning**

COMP 550 - **Natural Language Processing**