

Samy Zarour

Software Developer

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samy.xyz

About

I'm a student, a coding 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 Machine Learning.

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

Finally, I believe passion inspires passion. I attend Hackathons to grow my own and I give classes to ignite it in others.

SPOKEN LANGUAGES:



Education



McGill University

BSc. in Computer Science

Fall 2013 - Fall 2017

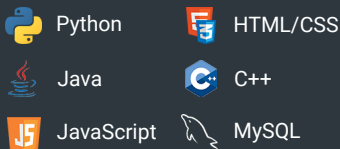


Collège Stanislas

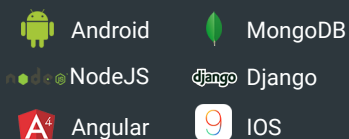
French Baccalaureate in Science (equiv. to DEC in Natural Sciences)

Fall 2010 - Summer 2013

Core Languages



Tools



Professional Experience

SOFTWARE DEVELOPER INTERN 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 be flexible and adapt quickly. My work involved mobile and web development as well as web scraping.

LEAD INSTRUCTOR at KidsCODEJeunesse

MONTREAL, CANADA WINTER 2014 - ONGOING

- KidsCODEJeunesse aims to expose young students to computational thinking.
- As a lead instructor, I've worked alongside primary and high school teachers to help them introduce their students to the world of computing through game and web development.
- My roles include designing/building the website, leading workshops and teaching

RESEARCH INTERN 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.
- This was my first internship, I learned how to work as a team on a project and of the importance of clean code that can handle environmental errors and inaccuracies.



Projects

IMMERSED



- Award winning mobile application that facilitates language learning.
- Built the whole API and Android application on my own from the back end to the front end
- 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



- Graphical representation of course outline where nodes are courses and edges are requirement relationships, thus the student has a visual representation of what classes are missing from his desired course outline and all courses needed for high level courses.
- Used McGill API to fetch student classes and generate a personalized tree, stored classes on MongoDB and created user profiles on NodeJS.

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