

SAMI JABER

• APT-602, 3460 Peel Street, Montreal, Quebec, Canada H3A 2M1 • +1 (514) 443 1606

• sami.jaber@mail.mcgill.ca • <http://www.github.com/samijaber> •

• <http://samijaber.me> •

WORK EXPERIENCE

- **Amazon – Software Developer Engineer Intern (Upcoming Internship) - Seattle, WA** Summer 2014
- **Genetec – Software Developer Intern - Montreal, QC** January 2014– April 2014
 - o Developed two software projects in **F#** and **.NET**. Made regular use of asynchronous workflows and implemented the actor model as a successful concurrent system.
 - Allowed for network monitoring, logs capture and download on embedded security systems.
 - Improved internal testing by automating scheduling via rank-based allocation of test devices.
 - Coordinated project milestones with lead developers in Tech Support and Test teams.
- **Google Summer of Code - Scala Team – Kojo IDE (Script Tracing)** Summer 2013
 - o Implemented a debugger for an IDE. The debugger compiles any user-written **Scala** script, creates a new **Java Virtual Machine** to host the process, and displays all variables and return values throughout execution.
 - o Wrote an object inspector using the **Java Debugging Interface**. Using breakpoints, the inspector provides accurate run-time data on any object in a script.
- **HackMcGill – Co-Founder, Director** September 2013 - Present
 - o Co-founded the first student hacking club at McGill and in Canada. We provide beginner lessons (Hack101), weekly meet-ups, send students to Hackathons, and form teams to work on software projects and ideas.
 - o In collaboration with other clubs, we fostered a new culture of entrepreneurship and creativity on campus.
 - o Organized McHacks (<http://mchacks.io>), Canada's largest Hackathon with 450+ attendees and 35+ schools
 - Raised \$90,000 in a month, exceeding budget by over \$20,000.
 - First Canadian Hackathon to be part of MLH (Major League Hacking.)

EDUCATION

McGill University, Faculty of Science, Montreal, QC, Canada Class of 2015

Bachelor of Science, Joint Honors Degree in Computer Science and Mathematics

Awards and Societies

- McGill IEEE Student Branch: *VP Undergraduate Affairs (2012-2013)*
- McGill University Scholarship: *James McGill Entrance Scholarship (2011-2012)*

Languages: Native fluency in French and Arabic.

HACKATHONS & PROJECTS

- Y-Hack '13 (24h Hackathon – Team of 3)
 - o Created **MathGenius**, a website that allows for the annotation and crowd-sourced interpretation of mathematical theorems.
 - o Used **JavaScript** and **Meteor.js** for both client- and server-side code.
- McGill CodeJam '13 (48h Hackathon – Team of 5)
 - o Wrote a machine-learning app that predicts energy consumption for McGill using previously available data.
 - o Used **JavaScript** (with **nvd3** and **jQuery**.)
- McGill CodeJam '12 (48h Hackathon – Team of 3)
 - o Wrote a web app that computes multiple moving averages and automates stocks trading decisions.
 - o Used **JavaScript** (with **Node.js**, **Socket.io**, and **Underscore.js**.)
- 500 (Card Game): Implemented Advanced AIs that capitalized on an **Observer Design Pattern** to make decisions.
- Artificial Intelligence: A modified high win-rate **Monte-Carlo Tree Search** algorithm for a board game.
- Personal Project (High School): Wrote a complete Minesweeper game using **Visual Basic**.

OBLIGATORY LONG LIST OF LANGUAGES

- Comfortable with Java, Scala, F#
- Experience in C, JavaScript (jQuery, Node, d3), HTML, Python