Sami Sahnoune

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EDUCATION

McGill University
B. Sc, Physics and Computer Science
GPA: 3.96 | May 2019

Clear Lake High School
Houston, TX
GPA: 3.94 | June 2015

PROGRAMMING
Python • Java • C
HTML • CSS • JavaScript

SOFTWARE
Microsoft Office • Adobe Photoshop
LaTeX

SKILLS
Data Analysis • Word Processing
Automation

INTERESTS
Artificial Intelligence • Space
Startups

COURSES

CS
COMP202	Foundations of Programming
COMP206	Introduction to Software Systems
COMP250	Introduction to Computer Science
COMP251	Data Structures and Algorithms

MATH
MATH222	Calculus III
MATH240	Discrete Mathematics
MATH315	Ordinary Differential Equations

PHYSICS
PHYS131	Mechanics and Waves
PHYS142	Electromagnetism & Optics
PHYS230	Dynamics of Simple Systems
PHYS232	Heat and Waves
PHYS258	Experimental Methods

EXPERIENCE

Systems Engineering Intern | Barrios Technology, NASA JSC
May 2017 – August 2017
Built a reporting tool for International Space Station stowage team to document volume capabilities and performed database/automation development and visualization using SQL and MVC infrastructure.

Technical Specialist Intern | Barrios Technology, NASA JSC
June 2015 – August 2015
Maintained antiquated CoFR, Data Configuration, and Change Request forms for International Space Station operations. Performed data analysis, documentation, and upload, successfully logging hundreds of files.

Operations Crew Member | Space Center Houston
February 2015 – June 2015
Educated thousands of people on NASA's missions in human spaceflight, space exploration, and research. Showcased Johnson Space Center's attractions to guests, contributing to an insightful, scientific experience.

PROJECTS

Soter
An Android application built at ConUHacks. Soter allows users to notify preset emergency contacts of danger rapidly by identifying external factors associated with dangerous situations and detecting user triggers.

Epoch
A Chrome extension geared toward motivating users to be more productive online. Featuring a task list, motivational quote, and countdown timer until day-end, this extension solidified my interests in JavaScript, APIs, and web design.

Convolute
A web application that implements a convolution matrix based in kernel weighting, resulting in mask filtering with history. Implemented in Python and quickened by ctypes, the image convolution is displayed through CGI.

AWARDS

2015 - Present	McGill University	Dean's Honor List (top 10%)
2015 - Present	McGill University	Faculty of Sc. Scholar (top 5%)
2015 - Present	McGill University	Killam Scholar
2015 - Present	ExxonMobil	Teagle Scholar
2015	Houston LSR	Metropolitan Prize
2015	CollegeBoard	National Achievement Semifinalist
2015	Clear Creek ISD	Superintendent Scholar