

# Nawras M. Amin

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## EXPERIENCE

### FONDATION ET ALUMNI DE POLYTECHNIQUE MONTRÉAL

ASSISTANT - DATA MANAGEMENT

September 2019 – April 2020

- Maintenance of the database of donors and graduates (updating, animation and development) through the Raiser's Edge platform.
- Management and dissemination of information within the teams (collection, processing, archiving, etc.) of electronic and physical documents.
- Basic web development (creation of HTML forms for donations and email templates for mass emailing using the NetCommunity platform)

### PIZZA SPARTA

ASSISTANT MANAGER

January 2016 - September 2018

- Overseeing day-to-day operations within the restaurant, providing direct feedback to staff, managing payroll and personnel databases.
- Dealing with schedule changes, employee call-ins, and other staffing issues and keeping day-to-day activities organised to ensure smooth operation of the business.
- Participate in the interviewing process as well as recruiting and hiring new staff.

## NOTABLE PROJECTS

### PIZZA SPARTA ONLINE ORDERING SYSTEM

PROJECT MANAGER AND LEAD DEVELOPER

July 2020 – October 2020 | Angular9 with Redux (NgRx), Ionic, Node, Express, Firebase

- Development of a rich and interactive user interface for desktop and mobile platforms using Angular9 and Ionic with Primefaces and Material as components libraries.
- Implementation of authentication, logging and registration features using Firebase Authentication and Cloud Firestore.
- Implementation of CRUD operations with Cloud functions.
- Implementation of the checkout Module using Stripe as a payment gateway and processing orders to the database.
- Ensure back-end server security using middleware and database security using Firebase rules.

### VECTOR ILLUSTRATOR APPLICATION

INTEGRATOR PROJECT FOR WEB-DEVELOPMENT CLASS

January 2020 – May 2020 | Angular, Node, Express, MongoDB

- Implementation of SVG drawing functionalities using TypeScript
- Development using Agile and Scrum procedures over the course of three sprints.
- Maintain coding best practices as well as quality assurance.
- Rigorously testing the various implemented functionalities using Jasmine
- Implementing CRUD operations with MongoDB and Express.

## EDUCATION

### ÉCOLE POLYTECHNIQUE DE MONTRÉAL

BACHELOR OF ENGINEERING IN SOFTWARE ENGINEERING

September 2018 - May 2022

### COLLÈGE MONTMORENCY

COLLEGE DIPLOMA IN PURE AND APPLIED SCIENCES

September 2015 - May 2018

## SKILLS

### PROGRAMMING

3+ years:

TypeScript • JavaScript • SCSS • HTML

1+ years:

Python • C++ • Java • SQL

0+ years:

R • Go

### TECHNOLOGY

Git • Firebase • Linux & WSL

## NOTABLE

## COURSEWORK

### UNDERGRADUATE

Object Oriented Programming

Data Structures and Algorithms

Embedded Systems I

Operating Systems I

Calculus I-IV

Discrete Mathematics (Graph Theory and Automata)

Probability and Statistics

Computer Networking

## HACKATHONS & CTFS

ReadyAI Code - 2020

TheGoldenHack - 2020

UnitedCTF - 2020

Hackatown - 2020

ConUHacks V - 2020

PolyCTF - 2019

LHGames - 2019

## LINKS

Github:// [StrixSC](#)

LinkedIn:// [nawrasmamin](#)

Personal website:// [thestrrix.ca](#)