Nayem Alam

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EDUCATION

McGill University   2016 - 2020
B.Eng. Electrical Engineering, Minor in Software Engineering

SKILLS

Software: Java, React.js, Python (np, openCV, scikit), Vue.js, JavaScript, C, C++, MATLAB, OCaml, SQL
Tech: Git, Java Spring, Gradle, REST API, Travis CI, Node.js, Firebase (hosting, functions), Figma, draw.io, Linux
Languages: Fluent in English and French

PROFESSIONAL EXPERIENCE

AI Engineer Intern at MoneyLion – Kuala Lumpur, Malaysia   May 2019 – August 2019
- Developed RESTful endpoints using SpringBoot
- Developed a dual layered encryption method using Cipher and base64
- Learnt how to store db credentials securely to Vault (HashiCorp) server and run it within a docker container
- Implemented multiple string similarity algorithms using fuzzy matching (edit distance, dice coefficient, Jaccard index)

Web Developer Intern at Pharmascience Inc. – Montreal, Quebec   August 2018 – October 2018
- Built new websites for clients in different departments (including PENDOPHARM) – pendopharm-gi.com
- Consolidated all hosting providers and registrars, creating an estimate savings of $37K/year
- Built an operational and contextual document regarding how to manage domains, hosting providers; including troubleshooting methods and simplified how-to guides for anyone who takes on the project

Programmer Analyst at Pharmascience Inc. – Montreal, Quebec   May 2018 – August 2018
- SharePoint super user and acting consultant for Communications, Legal, Finance and HR departments
- Used SharePoint & SPD 2013 to create and modernize many websites for all departments within the intranet
- Produced a site road map and flowchart of both companies (Pharmascience and Pendopharm) via draw.io
- Created an excel database with all the websites currently under both companies including their provider, registrar, IP, NS Records using Pivot tables and VBA to streamline process

LEADERSHIP & EXTRACURRICULARS

3rd Place in ConUHacks (Hackathon) at Concordia University – Montreal, Quebec   November 2019
- Chrome Extension for anglophones where they can learn French, Spanish or German vocabulary on the fly (simple click of a new tab) https://chrome.google.com/webstore/detail/langly/

HackerFest (Hackathon) at StartupFest| Hackathon – Montreal, Quebec   September 2018
- Joined a FinTech startup called FormFintech
- Created a web scraper "FinScrape" using Python that pulls information from all the banks and exports it onto an excel file (view on https://github.com/nayemalam/Hackerfest) via BeautifulSoup

Founder of Speak Up| Slam Poetry Competition – Montreal, Quebec   January 2014
- Established the first ever unique slam poetry competition within the English Montreal School Board.
- Speak Up provides a platform for students to express themselves freely without the fear of judgement.
- Speak Up has grown to over 12 schools city-wide, with 40+ students participating every year.

AWARDS & DISCTINCTIONS

- Cansbridge Fellow 2019   April 2019
- Speaker at TEDx McGill, TEDx Marianopolis, WE Day   April 2016, October 2018
- Top 20 Under 20 in Canada recipient   May 2015
- Governor General's Award recipient for Academic Excellence & Leadership   May 2014