Navid Rayhan

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Summary

Seeking 4-16 month **Data Science / Full Stack / Back-end development** internships Spring 2019, Fall 2019, Winter 2020

- Excellent independent and teamwork, leadership, and communication skills in French and English
- Highly proficient in **Python, SQL, MATLAB, Word, Access, Excel** with 2+ years of experience in each
- Basic proficiency in **C, R, HTML, CSS, Java, JavaScript, Assembly, AutoCAD**
- Tools/Frameworks: **Jupyter**, **Bootstrap, AWS, Git, Windows, Linux, SSH**

Work Experience

Ontario Fresh	**Data Analyst Intern** (October 2018 – February 2019)	Markham, ON

Software used: ORACLE SQL Developer, MySQL, Python, C, SQL scripting
- Designed **relational database** to track and analyze shipping information
- Created automated backend **data aggregation system** in Python using dynamic SQL
- Modelled data and created visualizations using **Oracle BI** submitted in bi-weekly reports

Tech Data	**Inside Sales Associate Intern** (May 2018 – August 2018)	Mississauga, ON

Software used: Microsoft **Access**, **Excel**, Word, Outlook, Customer Response Tool, DCS
- Dealt with vendor/customer relations and inquiries in both Ontario and Quebec (French) markets
- **Leadership role** within team of 7, training new employees on macros and **challenging company specific software**
- Oversaw large scale **data entry** into company database and manual **error-handling**

Education

Honours Bachelor of Science, **Mathematics and Computer Science, with Minor in Statistics**   2016 - 2021
McMaster University – Hamilton, ON
- 2 years of experience in **Materials Engineering**, switched programs to pursue **Data Engineering/Science/Analytics**
- **Relevant Courses:**
  - Principles of Programming, Statistical Methods and Applications, Discrete Mathematics, Linear Algebra II, Data Structures and Algorithms, Engineering Methods and Communications, Engineering Mathematics IV

Projects

NBA Historical Database Engineering and Visualization **(Python, matplotlib, SQLite, Excel)**   Grade Received: N/A
- Program to access **Excel data files** from BasketBallReference.com storing complete NBA stats for every player (2000-2019) into **multiple and one master database** using **Python** and **SQLite**
- Interactive subprogram to make a **scatterplot graph** of any arithmetical combination of 2 stats (**matplotlib, SQL**)
- Interactive subprogram to **graph top 10** leaders in any combination of 100 stats **(matplotlib, SQL)**

Alternative Tower of Hanoi solution **(Assembly, Linux, NANO text editor, makefiles)**   Grade Received: A+

- Used **32-bit Assembly** Programming in a **Linux** environment to create a randomized Tower of Hanoi, size 2-9
- Created **recursive algorithms** and **push/pop functions** to order the tower correctly
- Complete with **error handling**, used **unit testing** and **boundary value analysis** to debug

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Biome Dome Challenge (**AutoCAD,** professional presentation skills, Excel)   Grade Received: A

- In a group of 3, designed and engineered a structure in **AutoDesk Inventor** constrained to support life on Mars
- Used **FEA simulations** to measure elasticity, plastic deformation, and analyze points of failure
- Used **3-D printing** to construct and then crush dome, comparing theoretical and actual mechanical properties

Extra-curricular activities

McMaster Artificial Intelligence Society, General Member (2019)

McMaster University, Hamilton ON

- Participate in weekly meetings on machine learning concepts and algorithms
- Participate in monthly lectures and workshops by major AI industry companies such as Microsoft

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Glen Teachers of Tomorrow, Group Leader (2017)

Forest Glen Public School, Mississauga ON

- Led a team of 3 high school students in a 6-week project to educate over 120 elementary school children
- Prepared and presented engaging 30-minute lessons on a range of science topics for 7 classes of 3rd and 4th grade students
- Voted most approachable by supervising teachers

Kandahar Kebab, Waiter (2016)

Local Dining: Branch – Mississauga, ON

- Waited tables, cleaned dishes, and prepared food for high end restaurant
- Efficiently worked in an extremely fast paced, diverse, multilingual environment
- Effectively interacted daily with over 100 customers in a welcoming and friendly manor