

Navid Rayhan

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 navidrayhan.com
 /NavidRayhan
 /NavidRayhan
 Toronto (CAN Citizen)

EDUCATION

McMaster University

B.S. Mathematical Sciences (Focus in Computer Science)

September 2016 - Dec 2020

Key Courses: *Data Structures & Algorithms, Software Development, Principles of Programming*
Activities: *McMaster AI, Engineers Without Borders, Varsity Basketball*

EXPERIENCE



Amazon

Software Development Engineer Intern (Incoming)

May 2020 - August 2020

Vancouver, BC



Adlib Software

Software Developer Intern on the AI team

May 2019 - December 2019

Burlington, ON

- Developed the **infrastructure/pipelines** for integration of **CNN** that detects signatures and doc modifications into a doc management system using Python/JSON/RabbitMQ/.NET
- Implemented encryption methods and unit tests (pytest) for **Natural Language Processors** and **data pipelines**
- Created automation testing tools for validating NLP model accuracy and SQL scripts to ensure functionality within the product



Your African Safari

Full Stack Developer Intern working part-time remotely

August 2019 - October 2019

Denver, CO

- Migration of unmaintained large Perl/PHP tourism website & legacy database to modern Django/Angular stack, greatly improving functionality, speed, and UX
- Remastered the photos page, adding related images using class-based Django views and MySQL

PROJECTS



CodeLendar

Tech Used: *Python, Django, REST API, Http, JavaScript, jQuery, HTML/CSS*

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- Cloud-hosted Agenda & Calendar app, uses Django User Authentication & Google Calendar API allowing secure data transfer, copying events between CodeLendar and your Google Calendar
- Using **POST/GET** methods to create/update/read events, interviews, exams etc. and display them in Calendar & List View formats



StatFreaks Inc.

Tech Used: *Python, Django, Excel, Http, JavaScript, HTML/CSS*

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- Web app displaying NBA Stats and Rankings for the 2000-Present seasons, supports individual player search and random player lookup tools
- Designed a **data aggregation system** to move data from Excel files and old databases to sqlite3 database, conforming to Django's model format
- Created a **web scraper** of basketball.realGM.com to display major transactions whenever a former NBA Player signs with a non-NBA team using an HTML parser

PROGRAMMING EXPERIENCE

Languages/Markups: *Python, C#, Java, SQL, JavaScript, Ruby, R, MATLAB, HTML, CSS, XML, JSON*
Frameworks/Libraries: *.NET 4.6+, Nodejs, Django, Ruby on Rails, TensorFlow, jQuery, Bootstrap*
Tools: *Git, REST APIs, HTTP Methods, MS SQL Server, AWS, RabbitMQ, Bash, Windows, Linux, Agile*