Navid Rayhan

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Toronto (CAN Citizen)

EDUCATION

McMaster University
B.S. Mathematics & Computer Science (Honors)

September 2016 – May 2021

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

PROFESSIONAL EXPERIENCE

Adlib Software
Software Developer Intern (Machine Learning)

May 2019 – December 2019
Burlington, ON

8-month co-op on the AI team (Agile)

- 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

August 2019 – October 2019
Denver, CO

Remote, Part-time developer working under lead Software Engineer

- 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
- Developed Gallery page with filter lookups (Django) and carousel animations (jQuery/Bootstrap)

PROJECTS

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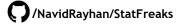**Tech Used:** *Python, Django, REST API, Http, JavaScript, jQuery, HTML/CSS*

- 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.
/NavidRayhan/StatFreaks
Tech Used: *Python, Django, Excel, Http, JavaScript, HTML/CSS*

- 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 an 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 library (lxml)

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