

# Navid Rayhan

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 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 Engineer Intern on Supply Chain Optimization team*

May 2020 - August 2020

Vancouver, BC

- Developed internal Amazon tools for **managing Transit change requests** using Java Spring MVC architecture with vanilla JS/jQuery front end
- Implemented functions to **asynchronously stream request** validation results to the user
- Integrated key services into new stack for internal app, increasing options for future endeavours



### 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
- 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

## PROJECTS



### LoL YouTube Highlight Generator

Tech Used: *Python, YouTube API, Twitch API, Reddit API, Twitter API, sqlite3*

- Created a **fully automatic script** that downloads the most popular **unique League of Legends** highlights from Twitch and combines them into a high quality 10-minute highlight video
- **Automatically uploaded** to YouTube with custom quirky metadata and links are posted to various social medias via **social media APIs**
- Program is hosted on **Heroku** and script **runs automatically 3x a day** during peak times



### CodeLendar

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

 /NavidRayhan/Agenda

- 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

## PROGRAMMING EXPERIENCE

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