

# Nizar Jandal Alrifai

Portfolio: [saber74.github.io](https://saber74.github.io)

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Github: [github.com/saber74](https://github.com/saber74)

## KEY SKILLS

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- **Languages:** Python, Java, Groovy, SQL, Matlab, R, C, C++
- **Web-Dev:** HTML5, CSS3, Javascript, React, Django, REST API, Bootstrap
- **Libraries/Tools:** Git, Jenkins, Docker, Android Studio, Azure, JIRA, Pytest, Gradle, LibGDX, Pygame, OpenCV

## EXPERIENCE

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### Manulife Financial

*Devops Engineer*

**Waterloo, ON**

*January 2021 - April 2021*

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### Sony Interactive Entertainment (PlayStation)

*Software Developer*

**Waterloo, ON**

*May 2020 - August 2020*

- Worked on the PlayStation 4 Console Store using **Python** to migrate to new API dependencies to unify logic across different platforms
- Supported world-wide releases of the **\$20+ billion** yearly console store through integration and regression development and testing
- Optimized regression test suites to be **14.83%** faster, through code and logic enhancements, alongside multiple coverage investigations
- Designed and developed automated tests with maximum requirement coverage through **Pytest**
- Maintained multiple development environments using **Docker** environments

### Canada South Science City

*Full stack Web Developer*

**Windsor, ON**

*July 2019 - September 2019*

- Built the organization's main website from scratch, using a new up to date responsive design through **HTML5**, **CSS3**, and **Bootstrap**
- Integrated **Javascript**, for a functional and interactive design, boosting the website's monthly visitors by **317.6%**

## PROJECTS

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### BusyMap

*Hack the 6ix*

- Winner of **Geotab: Ignition Data Challenge**
- Relayed user input to a **Flask** based back-end using custom made **API** end points and **Microsoft Azure**
- Utilized **Javascript** to develop an interactive attractive front-end user experience
- Created a real-time platform to visually represent busyness of areas using data from **Geotab** and **Google Places API**
- Established front-end to back-end communications using query-able **RESTful** endpoints

### Mini-Games Android Mania

*Personal Project*

- Developed a series of entertaining multiplayer visual **Java** games using **LibGDX**
- Created an app to utilize phones as controllers, using **Android Studio**
- Established a connection using sockets between laptops and phones through a remote **Digital Ocean** server

### Seize-Control

*Hack The North*

- Utilized **OpenCV**, **Firebase**, **Pytube**, **HTML** and **CSS** to create a Google Chrome extension to filter seizure-inducing YouTube videos
- Processed and analyze pixels per frame using self-designed mathematical algorithms through **Python**
- Modeled the data collected and analyzed in an interactive user-friendly manner utilizing **Javascript**

### Bored

*MasseyHacks IV*

- Created an app utilizing **Python**/TKInter UI to find nearby entertainment locations according to the user's mood
- Retrieved nearby locations data (directions, reviews, hours, prices, etc..) in **JSON** form using **Yelp**, **Google**, and **GeoCoder API**

## EDUCATION

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### University of Waterloo

*BASc in Computer Engineering*

**Waterloo, ON**

*2019-2024(expected)*

- Awarded Dean's Honour List for demonstrating high academic performance within the cohort