# YOUSSEF ZAYED

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#### Work

# **Data Engineering Mentor - Udacity**

- \* Worked at Udacity, an online learning platform, as a mentor to students undergoing the data Engineering Nanodegree.
- \* Accompanied 94 students through their nanodegrees by providing support to create a personal connection, receiving a rating of 4.32
- \* Clarified topics such as **SQL Databases** to students in a manner that was easy to understand.
- \* Demonstrated the utilization of technologies such as using Spark in order to guide the students' learning.

# **Software Engineer Intern - Nokia**

- \* Collaborated with the networking product diagnostics team at Nokia to optimize the diagnostics process.
- \* Modernized legacy 2 Perl scripts by redesigning them in Python to improve scalability by 33% as well as increase future compatibility.
- Implemented inventory tracking for server devices through the use of Bash scripts and Jenkins for a team of 9 engineers to receive via automated email improving tracking efficiency by 20%.

# **Projects**

#### Real estate e-commerce website

- Since 3/2020
- \* Co-founded a real estate startup leveraging social media marketing and machine learning to ensure optimal benefit for both customers and sellers.
- \* Devised a NodeJS backend connected to a MongoDB database to store and update real estate listings as well as other miscellaneous functions.
- \* Designed a ReactJS frontend with a focus on a minimalist UX and UI principle to ensure a pleasant user reaction.

# Sign Language detection- Makeathon UofT

- 2/2020
- Created a Machine learning model that detects American Sign Language in a 36 hour makeathon using Tensorflow.
- Created a Python script which transformed 174,000 image into data to be used by the machine learning model.

#### Education

# **Bachelor of Computer Science - Carleton University**

Concentration in Algorithms. CGPA 11.50/12.0 (A+).

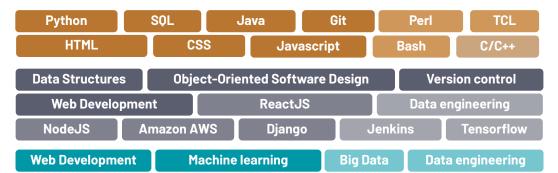
09/2019 - 04/2023 Ottawa, ON.

03/2018-10/2018

#### Full-Stack web developer Nanodegree - Udacity

- \* Learned frontend and backend web development and implemented projects in order to apply skills learned
- \* Built a dynamic software application backend systems using the Python programming language, SQL database and Flask application framework.

#### Languages



**Skills** 

**Interests** 

04/2019 - 04/2020

Ottawa, ON.

07/2018 - 08/2018

Ottawa, ON.