YOUSSEF ZAYED

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EXPERIENCE

Data Engineering Mentor
Udacity

📅 April 2019 - April 2020   📍 Remote

- Mentored **94 students**, receiving a student feedback **rating of 4.32 out of 5**.
- Utilized technologies such as **PostgreSQL and AWS Redshift** to guide students.
- Guided students resulting in a **25% quicker lesson completion** from 4 weeks to 3 weeks.

Software Engineer Intern
Nokia

📅 July 2018 – August 2018   📍 Ottawa, Ontario

- Collaborated with the product diagnostics team of **9 engineers** at Nokia to optimize the team pipeline.
- Redesigned legacy **2 Perl** scripts in **Python** to increase future **compatibility by 75%**.
- Implemented inventory tracking for **5 server devices** through the use of a **Bash script and Jenkins**.

PROJECTS

Real estate e-commerce website
Seamlessestate.com

- **Co-founded** a real estate startup leveraging social media marketing.
- Created a marketing campaign resulting in 503 impressions over 3 days.
- Developed a **NodeJS backend** connected to a **MongoDB** database to store and update real estate listings.
- Designed a **ReactJS frontend** to ensure pleasant user interaction.

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Sign Language detection
UofT Makeathon Winner

- Developed an **AI model** that detects American Sign Language during a **36 hour** makeathon using **Tensorflow**.
- Implemented a **Python** script which fed **174,000 images** into the AI model increasing accuracy by **43%**.
- Competed against **263 participants** and was the **winner of the UIpath automation challenge**.

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Early Parkinson's detection
Qhacks

- Created an AI program which detects signs of Parkinson's diseases by analyzing **drawings and voice samples**.
- Developed a model that analyzes voice samples of users based on published findings to determine signs the disease.
- Integrated the **two different AI models** in a **NodeJS web application** in order to provide an accessible user interface.

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EDUCATION

B.C.S. Computer Science
Carleton University

📅 Sept 2019 – May 2023

Concentration in **Algorithms**. Minor in **Mathematics**. **GPA 3.9**.

Full Stack Nanodegree
Udacity

📅 March 2018 – August 2018

SKILLS

Languages

Python   SQL   Java   JavaScript
HTML/CSS   Perl   Bash

Technologies

MongoDB   ReactJS   NodeJs   Git
AWS   TensorFlow

EXTRACURRICULARS

Accessibility Volunteer
Tetra Society

📅 Sept 2018 – Present

- Partnered with **Cheo children's hospital** to create a sport accessible to those with severe disabilities.
- Designed alternative methods of control to increase accessibility.
- Developed **2 iterations** of a wheelchair attachment to facilitate the playing of the sport over **5 months**.

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Chairman and Founder
First Robotics team

📅 Sept 2018 – June 2019

- Founded a team of **43 students** to create a functional **7 foot robot within a 6-week window**.
- Advanced to **provincial level** competition in our rookie year beating **108 other teams**.
- Managed resource allocation in order to be ready for competition given the limited time and **a fund-raised budget of $43,000**.

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