

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 over **50 students** through their nanodegrees by providing support to create a **personal connection**.
- * Clarified topics such as **data modeling** to students in a manner that was easy to understand.
- * Demonstrated the utilization of technologies such as using **Amazon AWS** to create a **data warehouse** in order to guide the student's learning.

04/2019 - 04/2020
Ottawa, ON.

Software Engineer Intern - Nokia

- * Collaborated with the networking **product diagnostics** team at Nokia to **optimize** the diagnostics process.
- * Modernized legacy **Perl scripts** by redesigning them in **Python** to **improve scalability** as well as increase future compatibility.
- * Leveraged **TCL code** on a remote **low-level Linux environment** to locate **bugs**.
- * **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 overall efficiency**.

07/2018 - 08/2018
Ottawa, ON.

Projects

Real estate e-commerce website

- * 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.
- * Created an **Ai model** using **TensorFlow** which reveals the most promising estates..

Since 3/2020

Community

Participated in multiple Hackathons including (CuHacking, Qhacks, MakeUofT)

Since 2019

Tetra - supporting people with disabilities

Since 2019

Mentor to High School First Robotics Team

Since 2020

Chairman and founder of First Robotics Competition Team

2018-2019

Education

Bachelor of Computer Science - Carleton University

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

09/2019 - 04/2023
Ottawa, ON.

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 and **Flask** application framework.

03/2018-10/2018

Languages

Python	SQL	Java	Git	Perl	TCL
HTML	CSS	Javascript	Bash	C/C++	

Skills

Data Structures	Object-Oriented Software Design	Version control		
Web Development	ReactJS	Data engineering		
NodeJS	Amazon AWS	Django	Jenkins	Tensorflow

Interests

Web Development	Machine learning	Big Data	Data engineering
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