YOUSSEF ZAYED

youssef.ah.zayed@gmail.com   (343) 777 4866   youssefzayed.com

Work

Data Engineering Mentor - Udacity
04/2019 - 04/2020
Ottawa, ON.

* 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.

Software Engineer Intern - Nokia
07/2018 - 08/2018
Ottawa, ON.

* 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 by displaying an updated view of inventory through the use of **Bash** scripts and **Jenkins** for a team of 9 engineers to receive via automated email **improving overall efficiency.**

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.
* Created an **Ai model** using **tensorflow** while reveals the most promising properties.

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
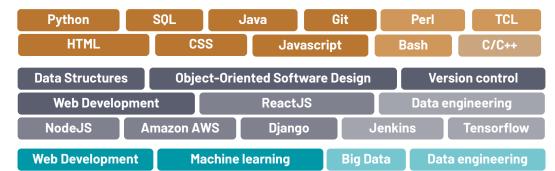**09/2019 - 04/2023**
Ottawa, ON.

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

Full-Stack web developer Nanodegree - Udacity
03/2018-10/2018

* 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.

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