

YOUSSEF ZAYED

youssef.ah.zayed@gmail.com

(343) 777 4866

youssefzayed.com

Work

Software Engineer Intern - Nokia

- * Contributed to the networking **product diagnostics** team at Nokia by improving the team's **pipeline**.
- * Transformed legacy **Perl scripts** used to convert VHDL code by redesigning them in **Python** to **improve scalability** in the **product creation process**.
- * Leveraged **TCL code** on a remote **low-level Linux environment** to locate problem areas and eliminate **bugs**.
- * **Optimized** inventory tracking 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 efficacy**.

07/2018 - 08/2018
Ottawa, ON.

Data Engineering Mentor - Udacity

- * Explained and expanded upon different **Data Engineering** concepts covered in Udacity's **nanodegree** through personalized meetings
- * Established **personal connections** with 50 students at a time, encouraging and supplementing and **accelerating** their learning
- * Created projects utilizing technologies such as **Amazon AWS, SQL** and **javascript** to showcase to students.

04/2019 - 04/2020
Ottawa, ON.

Projects

Real estate e-commerce website

- * Assembled a website to facilitate the purchase and sale of real estate in Ottawa, CA.
- * 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.

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 the fundamentals of frontend and backend web development and developed projects 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	Data engineering	Big Data	Machine learning
-----------------	------------------	----------	------------------