

YOUSSEF ZAYED

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EDUCATION

Carleton University

BS Computer Science | Dean's List | Minor in Mathematics | GPA: 4.0

Ottawa, CA

Sept. 2019 – Sept. 2023

SKILLS

Python | Javascript | C++ | C | SQL | Java | HTML/CSS | VueJs | NodeJs | React | MongoDB | TensorFlow | Git

EXPERIENCE

Microsoft

Incoming Garage Software Engineer Intern

Vancouver, CA (Remote)

May. 2021 – Aug. 2021

- Working with a team of engineers and interns to build new features in Microsoft products.

Nokia

Software Engineer Intern

Ottawa, CA

Sept. 2020 – April. 2021

- Sole developer for an automation tool using **Javascript, Python, VueJS, ElectronJS** utilized by over 100 engineers.
- Developed 12 components in **VueJS and Python**, growing user adoption from **13 to 107** engineers.
- Presented progress to a committee of **15** engineers bimonthly resulting in correct scoping of **4 Agile sprints**.

Udacity

Data Engineering Mentor

Remote

April. 2019 – April. 2020

- Mentored **94 students** undergoing the Data Engineering Nanodegree receiving a student feedback rating of 4.32 out of 5.
- Clarified topics such as SQL Databases to students resulting in a 25% quicker lesson completion from 4 weeks to 3 weeks.
- Utilized technology such as **PostgreSQL** to guide students through projects resulting in over 70% of student completion.

Nokia

Software Engineer Intern

Ottawa, CA

July. 2018 – Aug. 2018

- Collaborated with the networking product diagnostics team of **9 engineers** at Nokia to optimize the diagnostics process.
- Modernized legacy **Perl** scripts by redesigning them in **Python** to increase future compatibility with all devices.
- Implemented inventory tracking and automatic updates for 5 server devices using a **Bash script and Jenkins**.

PROJECTS

Speech Recognition: Winner @ UofT Makeathon [Python, Google Cloud]

Feb. 2021

- Created device which assists individuals with hearing loss to communicate with live transcription.
- Implemented a **Python** script which leveraged **Google Cloud speech API** to transcribe speech to text.

Real Estate E-commerce startup [NodeJS, MongoDB, React, JavaScript]

Oct. 2020

- Co-founded a real estate startup Seamless Estate, leveraging social media marketing to increase sales.
- Developed a **NodeJS** back end connected to a **MongoDB** database to store and update real estate listings in real time.

Student Job Web Platform: URx InternHacks [Django, SQL, HTML/CSS, Python]

July. 2020

- Lead a team of 3 engineers** to build a web platform which aggregates relevant postings and aids in career networking.
- Developed an email template creation tool using **Django** to save and update emails instantly to a **SQL database**.

Sign Language Recognition: Winner @ UofT Makeathon [Python, TensorFlow, OpenCV, NumPy]

Feb. 2020

- Created a computer vision Machine learning model that detects Sign Language in a 36-hour makeathon using Tensorflow.
- Implemented a **Python** script which transformed **174,000 images** into a data set, increasing AI accuracy by **43%**.
- Competed against **263 participants** and was the **winner** of the UIpath automation challenge.

Early Parkinson's detection AI [Python, TensorFlow, Flask, NumPy]

Jan. 2020

- Created an AI program using **TensorFlow** that detects signs of Parkinson's by analyzing drawings and voice samples.
- Integrated the two different AI models in a **Flask web application** in order to provide an accessible user interface.

COMMUNITY

Student Speaker @ InternHacks

Delivered parting speech to 254 students and mentors for closing ceremony.

Chairman of First Robotics team

Managed \$43,000 budget to compete with team of 44 at the provincial event.

Accessibility Volunteer @ Terta Society

Partnered with Cheo childrens' hospital to help people with a severe disability.