




Sam Assareymuriyil

Backend Web Developer | Aspiring Mechatronics Engineer

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EXPERIENCE

ALPHA CODING | CODING INSTRUCTOR

October 2021 – Current | North York, Ontario, Canada

- Teach Beginner/Intermediate students Python and JavaScript while helping learners develop critical thinking and problem solving skills, as well as creativity, communication, and collaboration.

SPEAK FLUENT SPEECH SERVICES | BACKEND WEB DEVELOPER

June 2021 – September 2021 | Toronto, Ontario, Canada

- Work in a team to develop and create a new Flask RESTful Backend API using artificial intelligence and speech processing to analyze a user's speech and report back key details such as mispronounced words, speech flow rate, and other useful information.

2UNIFY | END EFFECTOR DESIGNER

June 2021 – September 2021 | Hamilton, Ontario, Canada

- Design, create, build, and test 3d models of new end effectors (designed in Autodesk Fusion 360) to increase the range of motion available to the company's current robotic arm.

SOFTECH INCORPORATED | SECURITY SYSTEMS INSTALLER

August 2019 – July 2021 | Brampton, Ontario, Canada

- Work in a team throughout the design, planning, and set up of security camera systems both of the IP and analog variant.

PROJECTS

MAPPY | HTML, CSS, JAVASCRIPT, FIREBASE, MAPBOX, BOOTSTRAP STUDIO

2021

- An easy to use live map for Local Businesses.
- Winner of the Local Vendor Challenge by Rocket Innovation Studio at WinHacks 2021.

ECOSORT | HTML, CSS, JAVASCRIPT, FIREBASE, JQUERY, JSON, MICROSOFT AZURE

2020

- Innovative image based waste management system.
- Rated Top 5 Hack by National Geographic at EarthXHack 2020.

OBBY | JAVA, C++, PYTHON, BATCHFILE, ARDUINO

2020

- An arduino connected assistive device for Minecraft Java Edition (version 1.16).

TECHNICAL SKILLS

LANGUAGES

Python • Java • JavaScript
C++ • HTML5 • CSS3

LIBRARIES/Frameworks

jQuery • Node.js • React
Flask

TOOLS/PLATFORMS

VS Code • Git • GitHub
Google Cloud • Firebase
Microsoft Azure

EDUCATION

ONTARIO TECH UNIVERSITY

BACHELOR OF ENGINEERING

September 2021 - Present

Oshawa, Ontario

Mechatronics Engineering

GPA: 4.12 / 4.3

ADDITIONAL

INFORMATION

Ontario Tech Racing, Member

Assist in the various aspects of a running a fully student run FSAE team while building a fully electric race vehicle.

North Park Hack Club,

President and Co-Founder

Presented 30+ workshops/weekly

lessons for 120+ participants on

web-dev, competitive coding, etc.

Banana Hacks,

Director of Finance

Conducted a successful 24 hour

hackathon for 70+ participants while

raising and distributing over \$10,000 in

prizes.

DECA North Park,

Champion

Placed Top 12 out of 10,000+ competitors

at DECA Internationals