



Ahmed Muni

 ahmed.muni.98@gmail.com

 (519) 591-2138

 Personal Website

 muniahmed

 muniahmed

LANGUAGES

JavaScript, Python, C, C++,
Flutter/Dart, HTML, CSS

FRAMEWORKS

React.js Node.js, Express.js,
MongoDB, OpenCV, jQuery,
Bootstrap

EDUCATION

University of Guelph-
BSc in Engineering Systems and
Computing

RELEVANT COURSES

Data Structures & Algorithms
Object Oriented Programming,
Signal Processing, Linear Algebra,
Robotic Systems

EXPERIENCE

Software developer | s2e Technologies

2019

Python, OpenCV, Autonomous Vehicles

- Authored a proposal document detailing development, demonstration, and product validation which resulted in the **acquisition of \$1M in partner funding** for autonomous vehicle projects.
- Lead development of proof of concept for offboard autonomous vehicle guidance system by designing mapping software that mapped marked objects in the environment using **OpenCV** and **Python**.
- Integrated mapping software onto autonomous vehicles utilizing **serial** and **Bluetooth communication** for stable and consistent connection to the main computer.

PROJECTS

Peak Workout Tracker

React/Javascript, MongoDB, Node.js, Express.js

- A web app that allows users to track their workouts and see their progress over time.
- Developed backend using MongoDB, Node.js, and Express.js.
- Created frontend using React.js and Bootstrap.

In-Gredient

Dart, Flutter

- A mobile application that scans food barcodes and alerts users of allergens.

Weather App

React/Javascript

- A beautiful weather app that provides a weather forecast.

Six-Axis Robots

Python, OpenCV

- Developed software to manipulate six-axis robot arms to complete several tasks.