

# Anton Kanugalawattage

Software Engineering Student

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## OBJECTIVE

A motivated, fast learning and an adaptable Engineering student seeking for an opportunity to learn and apply my skills through an Internship in the Summer of 2019.

## EDUCATION

### Software Engineering (CO-OP) | BEng

McMaster University | CGPA: **3.98**  
2018 -2022

### Ontario Secondary School Diploma

St Edmund Campion SS | Grad with Honours  
2014 -2018

## EXTRACURRICULAR

### SumoBot Club

Workshops and lessons about building a SumoBot  
Jan 2019 - Present

### McMaster Artificial Intelligence Soc

Workshops about AI and Machine Learning  
Jan 2019 - Present

### EPIC Labs

Monthly Labs about applications of Python.  
Ex: Raspberry Pi Robotics & etc  
Sep 2018 – Jan 2019

### Tutoring

Voluntarily helping peers and high school students.  
Ex: Calculus, Linear Algebra & Physics  
2018 - Present

## ACCOMPLISHMENTS

McMaster Dean's Honour List

McMaster Entrance Honour Award

Ontario Scholar

Honour Roll (Gr 11 & 12)

Mathematics Award (Highschool, Gr 12)

## VOLUNTEER EXPERIENCE

### Teaching Assistant

DPCDSB, St Josephine Bakhita Elementary School | Brampton, ON ,CA | Sep 2017 – Mar 2018

Volunteered as a Teaching Assistant at St. Josephine Bakhita Elementary School. Taught and assisted students with their academics and other skills or needs. Assisted the teacher with managing the class and preparing for the next day's lessons.

## PROJECTS

### Math-Ops Application | Python

AntonKanug/MathOps | Apr – Jun 2019

A Python based desktop application that calculates the Derivative, Integral function Slope, Definite Integral & Graphs all three from a given polynomial. First order differential equations can be plotted using Euler's Method. MathOps uses Matplotlib for graphing & TKinter for GUI.

### SumoBot Competition (Team Leader) | Arduino

AntonKanug/SumoBot | Jan – Apr 2019

A team competition to build a SumoBot to battle other teams at the end of the period. Our SumoBot was built using Arduino and 3D modelling and printing. Placed top 16/60.

### Personal Website | HTML & CSS

AntonKanug.github.io | Apr 2019 - Present

A website about myself, my interests and my future projects created using HTML and CSS which I am learning through this project.

### 3D Design Project

AntonKanug/3DDP | Jan – Mar 2019

A team project to create a 3D printed prosthetic hand using Autodesk Inventor that performs functions such as grabbing and more. Project's design process included professional stages such as detailed sketching, detailed design, simulation & analysis, prototyping and more.

### Transportation Device Project

AntonKanug/TDP | Sep – Dec 2018

A team project to create a solution for a client who had Multiple Sclerosis and had discomfort while holding and transporting cargo on her wheelchair. Project's design process included professional stages such as sketching, prototyping, metrics, evaluating and more.

## SKILLS

**Technical Skills:** Python, MATLAB, Java, Autodesk Inventor & beginner HTML & CSS.

**Design & Other Technology:** Adobe Photoshop, FinalCut Pro, Microsoft Office, WIX & WordPress.

**Academic Strengths:** Calculus(A+), Linear Algebra(A+), Physics(A+), Chemistry(A+) & Economics(A+).

**Lab Experience:** Over 60 hrs of hands on lab experience including recording, applying and communicating results from the lab professionally.