Joshua A. Geddes

☎ (905) 483 3301 | ✉ joshuageddes333@gmail.com | 🌐 joshuageddes.com | ⌨ joshuageddes | ▤ joshuageddes

Skills

Proficient	Python, HTML/CSS, C, JavaScript, Microsoft Office
Familiar	Git, Solidworks, Java, Firebase, Figma, Tableau

Experience

The Engineering Society of Queen's University SCI 25' ALMA MATER SOCIETY REP *Kingston, Ontario* 2021 - Present
- Elected to represent 1000-member Engineering Class of 2025 student body to both the Engineering and Alma Mater Societies
- Plan faculty-wide study, social, and professional development events while sitting on student government

Oakville Community FIRST Robotics Team TEAM CAPTAIN *Oakville, Ontario* 2019 - 2020
- Appointed by adult mentors to lead the 56-member team for the 2019/2020 FIRST Robotics Competition season
- Kept Team focused on project tasks and deadlines in a fast-paced work environment (8-week build season, 3-month competitive season)
- Coordinated all Team activities, meetings, and major projects and initiatives while fostering a supportive environment
- Worked with industry technologies (Solidworks, Git) and machines during design and testing process
- Tuned teleoperated and autonomous robot code in Java, implementing advanced control loop and computer vision technologies
- Developed a scouting database system using Tableau, Flutter and QR code data transfer for real time competition strategy analysis
- Worked on an initiative to 3D print and assemble face shields for frontline healthcare workers at the height of the COVID-19 Pandemic, with over 500 PPE items being donated
- Led the Team to winning the prestigious Regional Chairman's Award

Longo's Brothers Fruit Markets Inc. CUSTOMER SERVICE CLERK *Oakville, Ontario* 2018 - 2021
- Facilitated organization of all front-end resources while assisting customers in need with shopping and grocery carry-outs
- Provided on the job training to over 10 new employees
- Recipient of a 2021 Longo's University Scholarship for leadership, community involvement and academic success

Education

Queen's University 2021 – 2025 (Expected)
- Bachelor's of Applied Science – Computer Engineering (Planned)
- Relevant Courses – Computer Programming for Engineers, Engineering Practice, Graphics

Project Highlights

smART Hack The North 2021
- Web application that recommends artwork to users based off previous feedback on other pieces
- Backend in **Python** using **Tensorflow** to compare similarities between artworks. Frontend in **HTML/CSS** with **Flask** package to integrate. Server hosted with **Firebase** with Python code run in a **Docker** container

Image Database 2021
- Collection of web scraping applications to create a large database of images (200k) for training a start-up machine-learning model.
- Made in **Python** using the **Selenium** web driver and **BeautifulSoup** to grab and parse information.
- Using **gauth** and **Google Cloud**, mass amounts of information and corresponding images paired with IDs are uploaded for future analysis

Compiler Bot EngHacks 2021
- Discord message bot that acts a live compiler for **Python** and **JavaScript** code using shell I/O and server frameworks
- Made in **Python** using **discord.py** framework. Accompanying frontend website made in **HTML/CSS**

Awards

Canadian Computing Contest – Distinction	2018, 2019, 2020, 2021
Waterloo Euclid Mathematics Contest – Top 3% of Competitors	2021
Tech Under Twenty Cup – RBC Company Challenge Award	2021
DECA Personal Finance Virtual Business Competition – International 3rd Place	2021
Royal Conservatory of Music Level 10 Classical Piano Certificate – Honours With Distinction	2020
FIRST Robotics Regional Dean's List Award	2020