



Gerry Saporito

2A Mechatronics Engineering
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Summary of Skills

- Strong full stack web development experience using **PHP, Javascript/jQuery, Bootstrap/HTML/CSS**
- Proficient in object-oriented software development using **C++**
- Exposure to backend script development using **Python**, and **Powershell, Google Appscripts**
- Proficient with **Windows, Linux, Git**
- **Eager to learn**, took an extra course on full-stack web development on Udemy in preparation for my previous coop

Work Experience

- **Full Stack Web Developer**, University of Waterloo – Waterloo, ON *September 2018 - December 2018*
 - Developed web design tools (plug-ins) for Drupal 7, a website content management system
 - Developed a universal filter tool plugin where a Drupal content creator could create a Pinterest-style display page of hundreds of products from a google spreadsheet by entering a Google Appscripts link
 - Provided a filter functionality where the user can filter through the products by categories specified by the content creator in the google appscript or by the user themselves on the webpage via textbox
 - Researched tools to track and direct web traffic with UTM's throughout the University's website.
- **Mechatronics Engineering Co-op**, Paragon Systems – Toronto, ON *January 2018 - April 2018*
 - Assembled, wired, and assisted with the troubleshooting of the mechanical and electrical components of the Ford C2 Platform and Mercedes Daimler EOLT and electrical panels
 - Performed Capability Studies to ensure seat shipping positions height was reached within 1 mm
 - Received positive feedback from supervisors for taking initiative during the modification and installation of testers at multiple Brose plants in the US, finishing tasks swiftly before starting on tasks requiring more time
- **Goldsmith Apprentice**, National Jewellery – Niagara Falls, ON *July – August 2017*
 - Assisted with gold repairs, and resized and changed watch batteries
 - Demonstrated strong attention to detail when repairing links or clasps in gold chains
- **Flooring Apprentice**, Five Star Flooring LTD – St. Catharines, ON *June 2014 – August 2016*
 - Worked as an apprentice on a team putting down floors, worked on independent flooring projects, and assisted with job estimates
 - Enhanced communication skills through discussions with clients regarding estimates up to \$8000

Projects

- Developed a portfolio website using HTML, CSS, and JavaScript. Libraries include paper.js, howler.js, and particles.js
- Assembled and wired a Fused Deposition Modelling (FDM) Delta 3D printer using a 3D-Printing Parts Kit
- Modelled a universal filament holder on SolidWorks and sketched the layout on AutoCAD to fit on the 3D Printer
- Drafted, built, programmed, and debugged a robotic poker dealer using LEGO EV3 and Tectrix kits
- Programmed a robotic LEGO EV3 RC car with the goal of driving while avoiding objects

Activities & Interests

- *Volunteering*: Relay for Life, Rankin Cancer Run, Pilgrimage for Haitians participant
- *Recreational Athletics*: Weightlifting, tennis, running, rowing, and generally any ball sports
- *Interests*: Playing the guitar and piano, playing card/board games, avid chef