

Gerry Saporito

1B Mechatronics Engineering
University of Waterloo

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Summary

- Developed a fundamental understanding of **mechanical and electrical design**, working with mechanical and electrical engineers to build an EOLT (End of the Line Tester) for Ford and Mercedes at Paragon Systems
- **Hardworking** and **eager to learn**, built a 3D Printer and designed parts for it on SolidWorks
- Developed **strong teamwork** skills by working with a team of four to create a fully functioning robotic poker dealer
- **Hardware:** mounting sensors, machine shop (drill press, drills, band saws, etc.), reading electrical drawings
- **Software:** C++, SolidWorks, AutoCAD, Microsoft Office

Work Experience

- **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
 - Reorganized mechanical and electrical parts/materials, shelves layout, and tools for easy visibility and accessibility, improving productivity and increasing space on the floor
- **Goldsmith Apprentice**, National Jewellery – Niagara Falls, ON *July – August 2017*
 - Assisted with gold repairs, cleaned jewellery, 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

- 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
- Designed and built a driving, robotic arm using a Tectrix kit to pick up and move objects to different heights

Achievements

- **Saint Francis Catholic Secondary School**
 - *Knights of Columbus Award* *June 2017*
 - Received for being an outstanding citizen while maintaining a high academic standing and exceptional community involvement
 - *School Letter of Recognition* *June 2017*
 - Received for noteworthy participation in the school community through sports, clubs, and events
 - *5th at the Canadian Secondary School Rowing Association Schoolboy Regatta* *June 2016*
 - Biggest high school rowing regatta in Canada and 2nd biggest in North America

Activities & Interests

- **Volunteering:** High School Tutor, Relay for Life, Rankin Cancer Run, Pilgrimage for Haitians Participant
- **Extra-Curriculars:** Member of High School Rowing and Track and Field teams, Run, Art, and Chess clubs, and Captain of the Senior Boys Cross-Country team
- **Interests:** Playing the guitar and piano, athletics, playing card/board games