

DESIGN AND TECHNICAL SKILLS

- Design: SolidWorks, AutoCAD, Unigraphics (NX8.0), Visio
- Programming: C++, Excel Macros, VBA, RobotC, Arduino IDE Platform, XHTML, Microsoft Office

WORK EXPERIENCE

Director of Finance, Waterloo Chapter

Jan 2015 – present

ASME (American Society of Mechanical Engineers)

- Create chapter budgets, financial models and department organizational charts
- Communicated and managed case competition operations with engineering start-up companies
- Pitched financial status reports and improvement ideas to board of directors
- Interact with ASME HQ for funding and contact sponsors, organizations and chapter advisors for delivery of reimbursements and document receipts.

Mechanical Engineering Co-op

Sept 2014 – Dec 2014

Linamar Corporation

- Created and restructured facilities layout for uplift machine assembly lines on AutoCAD for improved process flow and 5S maintenance
- Designed gun drill pre-set assembly fixture, infeed/outfeed block for the 4X4, 4X2 automation processes, vertical camera setup for final inspection and other machine fixtures for reducing process cycle times
- Created process specification drawings on AutoCAD, SOPs, and reviewed LPAs for standard process controls
- Consulted with corporation's supply base companies for product reassurance and client control solutions
- Used excel VBA to develop a macros compiler that automatically populated financial and material data in order to standardize drill regrinds. The compiler calculated their corresponding tool life based on data input and specific flute length of the drill

Design/Manufacturing Engineering Co-op

Jan 2014 – Apr 2014

Amphenol Canada Corporation

- Designed mechanical tools and test fixtures for assembly processes of avionics components
- Coordinated with senior process and design engineers to validate tool designs
- Implemented improved ink marking process on connectors for optimized cost savings using regulatory ECN documentation and engineering data management systems
- Conducted thermal shock, electrical conductivity and contact resistivity testing of electrical connectors for electrical conformance to MIL-STD and drawing specifications

EDUCATION

Candidate for Bachelor of Applied Science (BASc)

Sept 2012 - present

Mechanical Engineering, Honours Co-op Program, 3rd Year, University of Waterloo, Waterloo, ON

ORGANIZATIONS

University of Waterloo Management Consulting Club