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## Qualifications

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- In-depth knowledge of SolidWorks, AutoCAD, and DraftSight design software
  - Proficient in Microsoft Office including Excel, Word, and Access
  - Experience programming in C, C#, VBA, and MATLAB
  - Programmed KUKA, Baxter, Universal, and CRS robots in laboratory settings
  - Work experience in manufacturing, laboratory, and industrial environments
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## Education

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### University of Guelph

*Bachelor of Engineering, Mechanical*

*Guelph, Ontario*

*September 2012 – 2017 (Projected)*

- Mechatronics Program Specialization
  - University of Guelph Entrance Scholarship
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## Experience

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### Skyjack Inc.

*Manufacturing Engineering Co-op*

*Guelph, Ontario*

*May 2016 – Present*

- Design the process and software to support control for new powder paint line parts loading
- Provide support for jig design, automation, and manufacturing projects as assigned

### Materials Co-op

*January – August 2015*

- Developed ABC Cycle Count procedures interfacing with Microsoft Excel and Outlook to audit count sheets and send emails to approvers using VBA and Excel UserForms
- Wrote VBA macros and SQL queries to reformat ERP database information
- Designed and optimized new production cells and warehouse floorplans in DraftSight
- Created drawings for new racking in both SolidWorks (3D) and DraftSight (2D)
- Developed drawings and PSHR requirements, initial loading calculations for warehouse racking
- Promoted to lead kaizen project to develop new packaging for all purchased parts, worked with both Materials and Manufacturing Engineering to integrate new racks and packaging

### Musashi Auto Parts Canada

*Metallurgy Laboratory Technician (co-op)*

*Arthur, Ontario*

*May – September 2014*

- Provided technical quality assurance for Quench and Temper neutral hardening heat treat
  - Aided in implementation of new testing procedures for Induction Hardening process
  - Performed metallography analysis, focusing on steel martensitic and austenitic microstructure
  - Conducted testing to ensure hardness properties conformed with engineering drawing specifications, consisting of Rockwell C and Vickers micro-hardness scales
  - Supervised the training schedule of employees on the laboratory equipment
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## Extra-Curricular

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### DECA U Case Competition

*University of Guelph Delegate*

*Toronto, Ontario*

*September 2012 – March 2015*

- Solved business cases and presented issues related to business development
- Organized College Royal display booths and activities at the University of Guelph

### Net Zero Hackathon 2015

*Team Member*

*Guelph, Ontario*

*March 2015*

- Placed third overall for energy conservation Android application developed in 24 hours
- Won the University of Guelph Entrepreneurship Society: Best Business Case Award