

# Wilson Birch

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## OBJECTIVE

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To use the skills and experience I've gained from current and previous employment, as well as from my post-secondary education and apply them to new employment opportunities. In addition, I am seeking an entry level mechanical engineering position which will help me work my way towards becoming a Professional Engineer.

## EDUCATION

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B. Eng. Mechanical, April 2020

Faculty of Engineering & Design, Mechanical Engineering, Carleton University

- Engine Systems Engineer, Carleton FSAE Ravens Race Team, September 2019 – April 2020

Carleton University Coding Bootcamp (Trilogy Education Services), November 2020

Full Stack Flex Program

- Browser Based Technologies (HTML, CSS, JavaScript, jQuery, Responsive Design, Bootstrap, Handlebars, Local Storage/IndexedDB, React.js), API Interaction (API, JSON, AJAX), Deployment/Command-line Fundamentals (Heroku, Git), Databases (MySQL, MongoDB), Server Side Development (Node.js, Express, User Authentication, PWAs, MERN Stack), Quality Assurance (Unit + Functional Testing, Linting, Continuous Integration), May 2020 - Present

Niagara Football Academy, December 2012

Ontario Secondary School Diploma, Valedictorian, June 2012

Westlane Secondary School

## EMPLOYMENT HISTORY

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El Furniture Warehouse

April 2016-Present

*Ottawa, Ontario*

### **Bar Manager**

- Oversee and support a group of 10+ employees during a day or night shift.
- Create/Maintain weekly schedule
- Balance Daily Cashout Sheets/ATM
- Maintain restaurant POS, ATM and moneris systems.
- Follow restaurant opening and closing procedures.
- Ensure each employee completes their duties throughout their scheduled shift.
- Create daily reports.
- Maintain bar supplies and make weekly orders of all material.

**Bartender**

- Create drinks for server tables and customers seated at the bar.
- Provide excellent customer service to every customer.
- Maintain bar and restaurant cleanliness.

**Door**

- Make sure each individual has a copy of their government issued ID.
- Deal with any difficult guests.
- Apply the smart serve Ontario guidelines to restrict people as required.
- In charge of keeping a safe and secure feeling throughout the whole restaurant.

**Support**

- 3 different roles: Expo, Food runner, Host.
- Expo: Prepare each plate and assemble in the window before sending to the table.
- Food runner: Primarily carries the food from the kitchen to the customer.
- Host: Control the Front of House, seat customers as necessary in an efficient manner.

ATNMY Marketing

March 2020-Present

*Ottawa, Ontario*

**Partner/Project Manager**

- Manage a team of 3 Developers, work with a team of 7 to build a social media marketing application
- Website Development

Laurin General Contracting

April 2015-August 2015

*Ottawa, Ontario*

**General Labourer**

- Flagging traffic.
- Maintain construction trailer and site cleanliness.
- Transport materials.
- Install foam installation.
- Seal newly formed concrete.

**Health and Safety Representative**

- Conduct weekly safety meetings.
- Cap extruding steel rebar.
- Be available to any worker on site with any health and safety issues.

Taggart Construction

May 2014-August 2014

*Ottawa, Ontario*

**Surveyors Assistant**

- Assist with operating general surveying equipment.
- Provide layout of main and water line for subdivisions.
- Create T-sheets.
- Review Autocad drawings/pick points to survey.

Spicer Machine

July 2013

*Chatham, Ontario*

**Machinist Assistant**

- Operate CNC mill and lathe to create different parts.
- Create tool paths from a 3D model and fabricate pieces with CNC machines.

- General shop procedures and cleanliness.

## **SUMMARY OF QUALIFICATIONS**

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- Ontario Health and Safety Representative Certified, 2019
- WHMIS and Safety at Heights, Fall Protection Certified, 2015
- Extensive experience using Microsoft Office Suite (Word, Excel, Outlook, and PowerPoint).
- Past modelling Experience: Autocad, MATLAB, Creo (Pro-E), Autodesk Fusion 360, Solidworks.
- Excellent ability to learn and adapt quickly in new environments.
- Work proficiently under time constraints.
- Able to work productively individually or in a team setting.

## **PERSONAL ACHIEVEMENTS**

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- Old Crow - Carleton University Football Alumni
- Carleton University Football Team, 2013 – 2017
- Coach - Jr. Ravens Football, 2013 – 2017
- Volunteer with Ravens Football, 2013-2017
  - o Ottawa Mission, Cisco Bowl for Kids Sake, AIA All-Star Game, Varsity Council Member, Football in the Schools.
- Volunteer Youth Worker – Glengate Alliance Church, 2009-2012

## **REFERENCES**

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Josh Sacobie  
Receiver Coach  
Carleton Football  
(613) 697-2992

Cole Aghar  
General Manager  
El Furniture Warehouse  
(613) 513-8460

Paul Spicer  
Spicer Machine  
Owner/Operator  
(519) 359-8181