

Wilson Birch

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Github: <https://github.com/wilsonbirch>

Portfolio: <https://react-portfolio-2.netlify.app/>

SUMMARY

Mechanical Engineering graduate with Computer Science training. Recognized as a natural leader and hardworking problem solver. My goal is to use the skills, education and experience I've acquired up to this point and apply them to challenging new Computer Science position within the Government of Canada

EDUCATION

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

TECHNICAL SKILLS

Languages: CSS, SASS, HTML, JavaScript, REACT, jQuery

Databases: MySQL, MongoDB, GraphQL

Tools: Git, Github, Heroku, AutoCAD, SolidWorks, Creo, Fusion360, Docker, ATLAS

EMPLOYMENT HISTORY

Health Canada: *Ottawa, Ontario*. June 2021-Present

Administrative Officer

- Provide administrative support to both OTBI and OWS teams within HECSB.
- Provide Level 1 support to all ATLAS systems, including account maintenance, handling system outages, and responding to general enquiries to the ATLAS inbox.
- Aim to achieve a high level of customer service, with the majority of routine requests handled within 3 business days of receipt and urgent problems such as system outages handled as soon as reasonably possible.
- Provide administrative support to the OTBI team as directed by Dir-OTBI. Examples of such duties include: providing coordination, developing materials, and scheduling events and exercises; sending and receiving requests

for information from other areas and collating data for director review; drafting correspondence and notes for peer or director review; and managing routine paperwork for the office on behalf of peers and director

FireWork Solutions: *Ottawa, Ontario*. March 2020-Present

Founding Team Member - Lead Web Developer

- Developing and facilitating the front-end designs for all FireWork web applications;
- Full understanding of the goals of the website and continued strong understanding of web design standards, responsive design, and UI/US;
- Work collaboratively with the product team to make decisions that will affect the success of the business.
- Stay well informed on the social media marketing space and keep up to date with the most recent developments in the industry.
- Working collaboratively with Lead Mobile Front-End and Lead Back-End developers at FireWork with creating and testing applications for the website;

El Furniture Warehouse: *Ottawa, Ontario*. April 2016-June 2021

Bar/Floor Manager/Health and Safety Representative

- Oversee and support a group of 10+ employees during a day or night shift. Provided many opportunities for me to adapt and respond quickly to all types of management issues while working in a team
- Build and Maintain weekly employee schedules by organizing staff through experience, and prioritizing the needs of the business.
- Balance daily cash out sheets and ATM. Brought about the importance of paying attention to detail, hone basic accounting and business-related financial records.
- Maintain restaurant POS, ATM and Moneris systems. Kept all payment and ordering systems working. Required troubleshooting of various hard and software issues that arose with the computer systems in place.
- Follow and implement restaurant opening and closing procedures. Maintained restaurant cleanliness and kept all workers busy.
- Provide excellent customer service to every customer.

Laurin General Contracting: *Ottawa, Ontario*. April 2015-August 2015

General Labourer/Health and Safety Representative

- General construction site odd jobs. Taught the importance of hard work/long hours. Introduced to the field of construction and all things that come with it.
- Conduct weekly safety meetings. Be available to any worker on site with any health and safety issues. Experienced with implementing OHSA health and safety standards to a group of workers.

PROJECTS

Productivity Booster | <https://christopherjbourque.github.io/project1/> | <https://github.com/christopherjbourque/project1>

- A single Html page that consists of a task manager, weather dashboard, the date and time, and a Soundcloud music player.
- Responsible for Soundcloud player API.
- Technologies used: HTML, CSS (Foundation), JavaScript, Lodash, Open Weather API, Soundcloud API, Mapbox API.

Google Books Search | <https://intense-lowlands-28384.herokuapp.com/> | https://github.com/wilsonbirch/Google_Books

- A React-based web application build with the MERN stack. Uses the Google books API to search 10 books by name. The app allows for saving any searched book to a Mongo Atlas DB. Any saved books can be deleted from the database.
- Responsible for the entire app, all front and back end code
- Technologies used: Mongo, Express, REACT, Node, Mongoose, React-bootstrap, Axios, React-router

Restaurant Reviewer | <https://secure-mesa-11479.herokuapp.com/> | <https://github.com/wilsonbirch/restaurant-reviewer-2.0>

- An Html based application that allows the user to search restaurants by name or location (EU). Once searched, the user is able to save/review their favourites.
- Responsible for database and frontend development.
- Technologies used: HTML, CSS (Bootstrap), JavaScript, Handlebars, Es-lint, Travis-CI, Passport, Bcryptjs, mySQL, Sequelize, Express

SUMMARY OF QUALIFICATIONS

- 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

- 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 Kid's Sake, AIA All-Star Game, Varsity Council Member, Football in the Schools.
- Volunteer Youth Worker – Glengate Alliance Church, 2009-2012

REFERENCES

(available upon request)