BRYNN DAVIS

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SUMMARY

- 2 years of experience using **JS/HTML/CSS, C#, C++, Python, Ruby**
- Passion for full stack development in **ASP.NET**, **NodeJS**, and **Rails**
- Extensive knowledge of **circuits** developed in process control work and personal projects
- Designed and **3D printed** mechanical components for prizewinning healthcare robot
- Highly organized work habits, including documentation, code refactoring, and version control

WORK

Full Stack Developer | Manulife Financial   May. - Sep. 2017
- Independently developed a web app enabling coworkers to voice their opinions and thoughts on workplace events using **GitLab**, **ASP.NET**, and **SQL**
- Saved 120+ hours of work by developing an **HTML** file parser and stripper to iterate through legacy client files and upload the contents to a **SQL** database following a custom schema

Automation Engineer | Gypsum Technologies   Jan. - Apr. & Sep. - Dec. 2016
- Built a process control data server using a **C#** library, **COM objects,** and networking principles
- Reduced 3 engineering hours per manual test down to 5 minutes, while increasing the quality of returned results by developing an automatic drive testing system written in **C++**
- Designed and assembled a 5 to 24-volt level shifter **PCB** to boost an input signal using **EAGLE**

PROJECTS

Artificial Neural Network | Personal   Oct. 2017
- Developed an algorithm utilizing **machine learning** concepts which trains a system of nodes through **supervised learning** in **Python** and **MATLAB**

Portfolio Website | Personal   Jul. 2017
- ASP.NET app utilizing **MVC5** to present highlights of my experience in the format of a single scroll website
- Gained experience in **DOM manipulation** using ASP.NET's **Razor** syntax

Pill-Dispensing Robot | McMaster Innovation Nation   May 2015
- Led and coordinated a team of seven colleagues to engineer a prizewinning robot designed to help regulate medication management for memory impaired patients
- Created models in **Inventor**, machined components, and **3D printed** custom parts

EDUCATION

University of Waterloo, ON   Expected 2020
- Bachelor of Applied Sciences in Honours Co-op Mechatronics Engineering