DYLAN
LAW

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SUMMARY

While working as a professional scientist for consulting and utilities companies, I was always fascinated by programming and web development. I have always had a huge interest in creating and maintaining websites, and after creating a few personal websites of my own, I felt a surge of passion and happiness that I have never felt with my then career. Not only was it something that was intellectually stimulating, but it was truly the first time that I found myself doing something I truly loved.

Ever since I discovered programming, I have been on a self-taught journey, learning as much as I can online, through open-source curriculums such as The Odin Project and FullStackOpen, as well as some Udemy courses. I have created a portfolio of applications to help further develop my knowledge and skills in this incredible field and I am incredibly excited to start my career in this field.

SKILLS

Computer Skills: Proficient in ArcGIS, Microsoft Office Suite (MS Word, MS Excel, PowerPoint, Outlook,), HTML, CSS, JavaScript, ReactJS, NodeJS, ExpressJS, MongoDB, SQL and GIT.

EDUCATION

McMaster University   **September 2014 – April 2018**
Honors Bachelor of Science, Earth and Environmental Sciences   **Hamilton, ON**
Minor in Geographic Information Systems (GIS)

TECHNICAL EXPERIENCE

COVID-19 Statistics Web Application
- Using ReactJS, Styled Components and other libraries, I created a web application that was able to fetch JSON data and produce a table that contained various COVID-19 statistics for every single country.
- Created a choropleth map of the world that highlighted the aggregate summary of total COVID-19 cases, using various libraries.
- Was able to learn about different libraries and packages that I can use to supplement my web applications, as well as using the various navigational components in the React Router such as useHistory and BrowserRouter.

Login/Logout Authentication Web Application
- Created a web application using MongoDB, ExpressJS, ReactJS and NodeJS that allows users to log in and log out of the website, as well as creating authorized routes which enables the protection of certain URL routes from regular users.
- Allows only the admin to create and delete posts while regular users are only allowed to view the posts.
- Was able to learn a lot about full stack web development, sending GET and POST requests and storing them into a database, retrieving the data from the database as well as deleting from the database.

JavaScript Quiz Web Application
- Created a quiz web application using HTML, CSS and JavaScript.
- The goal of this web application was to further develop my understanding of object-oriented programming principles, as well as other fundamental aspects of JavaScript such as functions and loops.

WORK EXPERIENCE

Mapping and Records Associate
PVS Locators:

April 2019–Present
Hamilton, ON

- Create utility base-maps using various mapping software such as DataPak, U2, Lac Multiviewer for Damage Prevention Technicians which is used in the field to assess the locations of any underground utilities.
- Developing and maintaining databases of abundant of various mapping templates that is utilized by the field technicians, upper management and mapping associates.
- Consistently identifying any locate request issues originating from Ontario One Call to ensure the company's ability to delivery locate services efficiently and on time.
- Efficiently used Microsoft Office applications such as Excel, Outlook, Word and PowerPoint to complete assignments such as data entry, reports and communication between management, locate staff, excavators and contractors.
- Conduct daily QA/QC procedures to ensure highest quality maps are being produced for field technicians, ensuring accuracy and safety requirements are being met on a daily basis.
- Experienced in designing utility maps related to municipal infrastructure systems for water supply, wastewater collection and stormwater conveyance.

Associate Scientist
Parsons: Defense, Security and Infrastructure

May 2018–December 2018
Mississauga, ON

- Created and updated attribute information in geodatabases and metadata containing information regarding thousands of tree inventories, species at risk and risk ratings for target sites across Canada in order to identify which trees need to be removed and secured.
- Responsible for creating figures that followed cartographic principles using ArcGIS 10.5.1 Corporation to support the projects of various clients such as Metrolinx, Imperial Oil, Suncor, Orphan Well Association and Ontario Ministry of Transportation.
- Interpreted and digitized engineering drawings, schematic drawings as well as populating related data and attributes into a geo/attribute database.
- Conducted field work to obtain data such as water, soil sampling, collecting land surveying data and GPS points to assist in projects that involved environmental site assessments and creating technical drawings such as maps, site plans, aerial photography and digital imagery.
- Assisted in the development and integration of mobile solutions for field data collection such as Survey123 & Collector for ArcGIS.
- Efficiently used Microsoft Office applications such as Excel, Outlook, Word and PowerPoint to complete assignments such as data entry and report-editing to further company's success.

GIS Support Analyst
Bell Canada HQ

January 2018—April 2018
Mississauga, ON

- Accurately geo-referenced hundreds of malls across Canada for the expansion project of Bell Mobility stores.
- Assisted the Bell Motility Facebook data collection team by collecting data relating to all of the major telecommunication networks across North America.
- Performed GIS operations in support of the analytical team which includes the use of geo-processing tools to conduct spatial analysis and automation of redundant tasks.
- Updated and maintained excel files on a daily basis to ensure data was accurate and readily available for the analytical team.
- Liaised with appropriate officials of Bell Mobility and other related external agencies regarding information of the expansion project.