Daryl James Fonacier

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Experience

Natural Resources of Canada - *Summer Student Assistant*   May 2018 – August 2018
- Assisted professional licensed surveyors (OLS) in research and ArcMap by collecting appropriate data such as supporting documents, maps, and past surveys for projects
- Familiar with basics of survey law, major survey cases and equipment used by land surveyors
- Knowledge of cadastral surveying and familiarized with legal map documents
- Maintained survey and legal documents for active projects in the NRCAN network
- Performed various projects involving the use of ArcGIS such as creating proposal maps and searching desired locations for aerial imagery on ArcMap

Chipotle – *Crew*   September 2016 – December 2018
- Completed transactions efficiently; handled cash and worked on a cash register
- Learned to work in a fast-paced environment while maintaining cleanliness, communicate with the team, having sense of urgency and meeting standards
- Went out of way to achieve customer satisfaction by engaging in authentic conversations and handling requests or concerns accordingly

Technical Skills

Synchro | Intercalc | HCS7 | Microsoft (Word, Excel, PowerPoint, Project) | AutoCad | WinEST | WinPAS | ArcMap (ArcGIS) Total and EDM Stations | Land Measurements and Surveys | Pavement ME

Skills

- Knowledgeable in flexible and rigid pavement design and overlay designs following Ontario and AASHTO Guidelines
- Familiar with common distresses of pavements, how to test for them and strategies to prevent them
- Can perform traffic analysis and determine the level of service of intersections and highways
- Proficient in learning new computer software
- Excellent communication skills in a team and able to work independently to produce quality work
- Critical thinking in engineering related problems
- Strong mathematical background and eagerness to learn and practice new skills
- Self-motivated, organized and punctual with the ability to prioritize and complete tasks

Education

Ryerson University - Bachelor of Civil Engineering   September 2015 – April 2019
- Relevant Courses: Geospatial Information Systems, Highway Materials, Concrete Materials, Traffic Operations and Management, Transportation Planning, Highway Design, Pavement Design

Projects and Activities

Transportation Engineering Capstone Project: Conducted a traffic impact study from a proposed mixed-development with projected traffic growth. An evaluation of the current level of service on Synchro was performed to determine future traffic performance after conducting trip generation, trip distribution, and trip assignment analysis. Road networks were improved by optimizing signal timing, phasing and upgrading geometric features.

Signal and Traffic Operations Synchro Project: My team was assigned multiple intersections where we visited to record signal timing. Values are then inputted into Synchro to produce a level of service. We then improved the intersections by optimizing signal timing and phasing which improved the level of service.

GIS Analytical Modeling: Built a model on ArcGIS Model Builder to develop a solution. Spatial analysis tools (i.e. clip, buffer and make feature layer) were used to find an optimal dig site using appropriate parameters and input layers. A map of optimal dig sites with key map elements was created.

GNCTR Concrete Toboggan Team: Worked with a team to design a toboggan with concrete-casted skis and welded steel frame within the standard guidelines provided by GNCTR. I helped test some concrete mix samples as well as weld steel.