

NATALIE CARLONE

Environmental Engineering EIT, University of Waterloo

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SUMMARY OF QUALIFICATIONS

- Extensive knowledge of AutoCad, Microstation, MATLAB, ArcGIS, GeoMedia, HEC-RAS and ANSYS Fluent
- Experience with various surveying methods and lab analysis established through several courses
- Strong Engineering report writing skills developed from preparing reports at work and at school
- Teamwork and leadership skills advanced through managing projects both in school and on co-op terms

EDUCATION

BACHELOR OF APPLIED SCIENCE, Environmental Engineering

- University of Waterloo, Waterloo, Ontario Sept. 2013 – June 2018
- University of Sheffield, Sheffield, England – Study Abroad Feb. 2017 – June 2017

WORK EXPERIENCE

PROPERTY INSPECTOR, Orlando Corporation, Mississauga, Ontario Sept. 2016 – Jan. 2017

- Inspected industrial building for structural damages and to determine required repairs
- Submitted engineering reports regarding conditions of each site inspected
- Ensured all clients followed spill mitigation standards and resolved any environmental risks
- Assisted in the dewatering process of a contaminated site to prepare the site for sale
- Strengthened communication skills as a result of working with clients for inspections

WATER SERVICES STUDENT, The Region of Waterloo, Kitchener, ON Jan. 2016 – Apr. 2016

- Ran fire flow test for the hydraulic model of the water distribution system, calibrating the new model
- Maintained and updated various GIS databases pertaining to all water services assets, properties and mains, as well as all engineering drawing in the department
- Reviewed and commented on the Development Applications and their impacts on the water distribution network

TORONTO WATER CAD PROJECT SUPPORT, The City of Toronto, Toronto, ON May 2015 – Aug. 2015

- Develop and update network documentation and drawings for the management of integrated technology
- Assist with auditing, reviewing and verifying the existing site conditions of the data and voice communications network infrastructure, rack layouts and cable pathways/conduits.

WATER INFRASTRUCTURE STUDENT, The City of Hamilton, Hamilton, ON Sept. 2014 – Dec. 2014

- Updated hydrology model on Geomedia with locations of sewers and drainage areas and calculated Wet and Dry Weather Flow and Inflow and Infiltration for these areas
- In charge of inputting rain gauge data and analyzing the data to find storms and track flooding in the city
- Analyzed rainwater sewer flow data, produced time series charts and Intensity-Duration-Frequency (IDF) curve
- Assessed engineering consultants proposal for annual rosters for the department

GEOMATICS PLAN TECHNICIAN, Ontario Ministry of Transportation, Toronto, ON Jan. 2014 – Apr. 2014

- Digitized Title Records by drawing polygons in AutoCAD using information provided by Legal Plans
- Checked and investigated the accuracy of polylines drawn and corrected polylines which had errors in them
- Strengthened knowledge and gained further AutoCAD skills while working on the Title Record data conversion project and various Legal Survey plans
- Investigated files and legal agreements missing from the online database and added the files as necessary

ACTIVITIES AND INTERESTS

AQUAPONICS DESIGN TEAM, University of Waterloo Jan. 2015 – Aug. 2016

INTRAMURAL SOFTBALL, University of Waterloo Sept. 2015 – Aug. 2016

MTE DESIGN PITCH CONTEST, Runner up, University of Waterloo Dec. 2017