

CHARLOTTE STOESSER

1700 Mills Street, Sarnia, Ontario | (519) 331 8002 | charlottestoesser@gmail.com

QUALIFICATIONS PROFILE

- Proficient in the use of Microsoft Office including Excel, and AutoCAD
- Experienced with HEC-RAS/HEC-HMS River Modelling Software, EPANET Water Distribution Modelling, EPASWMM Stormwater Management Modelling, AERMOD Atmospheric Dispersion Modelling Software, and Matlab
- Student member of Professional Engineers Ontario with relevant experience towards obtaining P.Eng designation
- Resourceful, honest, and collaborative problem solver keen to take on new challenges
- Strong aptitude for organization and communication, both written and verbal

EDUCATION

BACHELOR OF ENGINEERING, ENVIRONMENTAL ENGINEERING

University of Guelph, Guelph, ON

September 2014 – June 2019

- Capstone Design Project: Improved design of open net fish farming for the reduction of environmental contamination
- Urban Water Systems Design: Traditional and low impact development stormwater management designs for residential developments
- Physical & Chemical Treatment of Wastewater: Water treatment process design for drinking water with decreased quality due to forest fires
- Design III Project: Rainwater recapture and reuse for the reduction of stormwater runoff and demand on municipal water supply

WORK EXPERIENCE

CIVIL/ENVIRONMENTAL ENGINEERING CO-OP STUDENT

MIG Engineering Ltd., Sarnia, ON

May – September 2017 and May – September 2018

- Prepared proposals with a determination of scope
- Performed hydrological analysis pertaining to the replacement of bridges/culverts according to provincial standards and practice using HEC-RAS software and presented the findings in a professional report completed to provincial specifications
- Executed numerous AutoCAD sketches to support professional reports
- Conducted storm sewer design analysis
- Arranged cost estimates related to various engineering projects
- Issued construction payment certificates

LIFEGUARD/SWIM INSTRUCTOR

City of Sarnia, Sarnia, ON

Summer 2012 – 2016

- Earned an advanced leadership role to take responsibility of the facility in the absence of managers and to teach advanced classes
- Responsible for the safety and wellbeing of swimmers in both pool and beach settings
- Taught swimmers in accordance with the Red Cross and Lifesaving Society standards
- Registered customers in compliance with the electronic scheduling program

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POLL CLERK

Elections Canada, Sarnia, ON

October 2015

- Accountable for the ballot of every voter assigned to the polling station
- Responsible for the official counting of the vote

LIFEGUARD/SWIM INSTRUCTOR

Pathways Health Center, Sarnia, ON

September 2013 – December 2015

- Taught children with a variety of developmental and physical disabilities
- Created client-based lesson plans based on individual learning styles and abilities
- Conducted hourly testing and alteration of chlorine and pH levels to maintain a stable, healthy environment

STUDENT TRUSTEE

St. Clair Catholic District School Board, Chatham, ON

September 2013 – June 2014

- Acted as a representative on behalf of the entire student body of St. Patrick's Catholic Secondary School to the district school board
- Created and presented formal monthly reports to the board of trustees and administrators at regular board meetings
- Provided student input for the reconstruction of the school board's five-year goal planning

COMMUNITY INVOLVEMENT

- Student Member – Women in Coastal Geoscience and Engineering: *2017 - present*
- Feedback Volunteer – Curriculum Accreditation Board: *November 2017*
- Bicycle Mechanic – University of Guelph Central Student Assoc. Bike: *2016 – 2017*
- Regular Blood Donor - Canadian Blood Services: *2014 – Present*
- Conference Volunteer - Ontario Celebration of Women in Computing: *October 2014*

ACHIEVEMENTS

- Published contributor: The Walk of Life; Biographical Essays in Science and Engineering: Volume 3', Edited by Aliabadi, A. A. (2018), Amir Abbas Aliabadi Publications, Guelph, ISBN: 978-1-7751916-1-2.
- Certified PCOC (Pleasure Craft Operator's Card)
- Dean's Honour List, College of Physical and Engineering Sciences: *Winter, Fall 2018*
- Recipient of the Lindsay W. Christie Bursary: *2018*
- Recipient University of Guelph Student Bursary: *2018, 2019*
- Valedictorian of St. Patrick's Catholic High School: *Class of 2014*
- Stefanko Award for Academic and Athletic Excellence Nominee: *2014*
- OFSAA Finalist: *Swimming 2013*
- Female Athlete of the Year: *2011, 2013, 2014*
- Most Valuable Player: *Badminton 2011; Swimming 2013, 2014*
- SWOSSA Competitor: *Badminton 2011; Tennis 2014; Swimming 2012 – 2014*
- Highest Grade Average Overall: *2012*; Second Highest Grade Average Overall: *2011, 2013*

PERSONAL INTERESTS

Sailing, swimming, reading, travel, outdoors