

DYLAN M. VERBURG, EIT, MASc

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PROFILE OF SKILLS:

- Proven business acumen and innovative mindset developed through various entrepreneurial ventures.
- Strong management, leadership and supervision skills refined through research, employment and community experiences both domestic and international.
- Excellent written, verbal and presentation-based communication skills.

TECHNICAL SKILLS

- Experienced researcher, proficient in laboratory techniques and development of technical reports.
- Strong background in field surveying and monitoring of aquatic and land environments.
- Proficient in the use of Microsoft Excel, PowerPoint, Word and Outlook.

EDUCATION:

Master of Applied Science, Environmental Engineering September 2016 – April 2019
University of Windsor – Windsor, ON

Bachelor of Applied Science (Honours), Environmental Engineering September 2012 – August 2016
University of Windsor – Windsor, ON

RESEARCH PROJECTS:

UWinTeam – Erie Hack (Cleveland Water Alliance) February 2019 – Present

- Team leader demonstrating the novel use of UAV technology for monitoring of nutrient loading in the Lake Erie watershed.
- Development of multidisciplinary team including experts in engineering, business, law and programming.
- Presentation of innovative solution and commercial development to expert judging panels.

The India-Canada Centre for Innovative Multidisciplinary Partnerships to Accelerate Community Transformation and Sustainability (IC-IMPACTS) September 2017 – March 2018

- Collaborative research project with partners including the National Environmental Engineering Research Institute of India (NEERI), CanadianPond.ca Products Ltd, the Delhi Jaal Board and Delhi government.
- Field researcher overseeing all aspects of technological demonstration of advanced aeration technology for the improvement of water quality parameters in highly contaminated wetland environments.
- Design and presentation of public outreach modules related to project work.

RELATED EXPERIENCE:

Project Assistant May 2015 – December 2015
Chatham-Kent Engineering & Transportation

- Project management and co-ordination of with contractors and engineering consultants.
- Design of repair schedules and replacements of bridge and drainage infrastructure.
- Creation of technical documents and proposals for municipal councilmembers.

Project Assistant May 2014 – September 2014
Chatham-Kent Public Utilities Commission

- Update and revision of municipal asset and design record database.
- Field experience in gather of surveying data and updates on GIS system.
- Co-ordination and supervision of work completed by contractors.

ADDITIONAL EMPLOYMENT EXPERIENCE:

Founder & CEO

January 2018 – Present

INpact Collective – Windsor, ON / Delhi, IN

- Development of social enterprise procuring, importing and reselling artisanal Indian products.
- Supervised program using proceeds to empower underprivileged Indian youth to attend school.
- Implementation of social media and digital communication modules related to company initiatives.

Teaching Assistant

January 2016 – December 2018

University of Windsor – Windsor, ON

- Aid in the instruction of engineering concepts through tutorial and lecture sessions.
- Provide critical feedback on student work with extra availability during weekly office hour sessions.
- Appointed as lead teaching assistant, responsible for supervision of other teaching assistants.

CAMPUS AND COMMUNITY EXPERIENCE:

4th Year/Graduate Student Representative

October 2015 – September 2017

Department of Civil & Environmental Engineering – Windsor, ON

- Involvement on governing body overseeing departmental matters ranging from curriculum revision to hiring of new professors.
- Development of proposals to improve committee function and student involvement.

Graduate Student Representative

September 2016 – August 2017

WINONE Outreach – Windsor, ON

- Conducted outreach activities regarding engineering to high schools across the Windsor-Essex region.
- Aid in engineering design problems, presentation of engineering concepts and answering questions regarding engineering as a profession and transition to university life.

CERTIFICATIONS & AWARDS:

- Engineering Intern (EIT) – Professional Engineers of Ontario (PEO) – License No. 100507081
- Libro EPIC Social Enterprise Program (October 2018-January 2019)
- Association of Fundraising Professionals – Outstanding Youth in Philanthropy Award (October 2018)
- Global Entrepreneur Cohort – Canadian Export Challenge (June 2019)
- Sustainable Engineering Faculty Scholarship (September 2018)
- Queen Elizabeth II Diamond Jubilee Scholarship (September 2017)
- 3 Minute Thesis Competition – Regional Finalist (June 2018)
- 3M Invent a New Future Challenge – Member of Winning Design Team (April 2016)
- G Driver's License (Ontario, Canada)

PUBLICATIONS:

In Situ Health Restoration of Sewage Contaminated Lakes and Rivers

February 2019

Dylan Verburg, Dr. R. Seth, Dr. R. Sharma, Dr. S.K. Goyal, Dr. R. Kumar

River Health: Assessment to Restoration – Varanasi, India

Sustainable Solution for Remediation of Sewage Contaminated Lake in India

June 2018

Dylan Verburg & Dr. R. Seth

Energy & Sustainability Symposium – Windsor, Canada

Shifting the Paradigm for 60 million – How one Engineering Graduate Student is Turning Convention on its Head to Deliver a Vital Human Resource

June 2018

The Voice of Ontario's Professional Engineers (OSPE)

REFERENCES & PORTFOLIO AVAILABLE UPON REQUEST