FirstName LastName

STRUCTURAL ENGINEER-IN-TRAINING

(XXX) XXX-XXXX | email@email.com | linkedin.com/in/

SUMMARY OF QUALIFICATIONS

- Master of Engineering Science student researching the structural performance of wood-framed residential structures under tornado wind loads; expected to graduate by September 2017
- Specialization in structural analysis, design, and construction acquired through university coursework, research, summer internship, and student competitions
- Advanced knowledge of structural dynamics, earthquake engineering, and building information modelling (BIM; including associated project management practices)
- Familiarity with the National Building Code of Canada, ASCE 7 Wind Design Provisions, and Canadian Steel (CISC), Wood (CWC), and Concrete (CAC) design handbooks, with additional exposure to the Canadian Highway Bridge Design Code and other design resources
- Enthusiastic and adaptable, with a particular aptitude for learning new computer applications
- Proficient in structural analysis, design, and statistical software including MATLAB, AutoCAD, Revit, STAAD Pro, SAP 2000, and Microsoft Excel, with some exposure to ETABS, SketchUp, and Response-2000
- Effective and dependable teammate, completing allocated tasks meticulously, assuming a leadership role where required, and assisting others to ensure the best possible product for the client or course instructor
- Effective interpersonal skills and professional demeanor gained through extensive engineering summer student experience, interdisciplinary research, team sports, and volunteering
- Strong history of commitment to community service, with a passion for international development and an ongoing interest in studying the alliance between the engineering profession and humanitarian work

EDUCATION AND CREDENTIALS

The Association of Professional Engineers and Geoscientists of Manitoba (APEGM)

ENGINEER-IN-TRAINING
Completed Experience Months: 18/48
Eligible for transfer into the PEO Engineer-in-Training Program

The University of Western Ontario (UWO), London ON
2XXX – present

MASTER OF ENGINEERING SCIENCE
Wind Engineering, Department of Civil and Environmental Engineering
Course Average: 92.8%
Relevant Courses: Seismic Analysis and Design of Buildings, Building Information Modelling
Received the Queen Elizabeth II Graduate Scholarship in Science and Technology (value of $15,000)

The University of Manitoba (UofM), Winnipeg MB
2XXX – 2XXX

BACHELOR OF SCIENCE
(w/Co-operative Education Option)
Department of Civil Engineering
Cumulative GPA: 4.15/4.5
Relevant Courses: Capstone Design Project, Steel Design, Concrete Design, Prestressed Concrete Design, Wood Design, Structural Dynamics, Project Management
Received two consecutive NSERC Undergraduate Student Research Awards (value of $4,500 each)

EMPLOYMENT EXPERIENCE

The University of Western Ontario
2XXX – present

GRADUATE TEACHING ASSISTANT

- Courses Taught: Structural Dynamics II (Fall 2016 & Winter 2016), Building Information Modelling (Summer 2016 Graduate Level Course), Introduction to Structural Engineering (Fall 2015)
- Designed educational exercises and prepared instructive handout material
- Supervised and evaluated up to 80 students, welcomed student questions in person and via email, provided accurate and clear feedback
- Addressed instances of academic dishonesty professionally and discreetly, consulted with the course instructor to ensure fair treatment of all students

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EMPLOYMENT EXPERIENCE (CONTINUED)

Dillon Consulting
February – August 2XXX

STRUCTURAL ENGINEER-IN-TRAINING

- Worked independently in the precast concrete plant, carried out pre-pour, prestressing, and final inspections to verify quality of precast bridge elements
- Interacted with laborers, foremen, and the public, represented the company professionally and maintained good work relationships across disciplines
- Studied structural calculations and verified prestressed concrete designs
- Participated in conception of bridge design alternatives, considered stakeholder needs and site conditions to produce feasible preliminary designs

Dillon Consulting
May – August 2XXX

STRUCTURAL ENGINEERING SUMMER STUDENT

- Contributed to the preparation of reports for clients, ensured documents met company formatting standards and internal deadlines
- Performed on-site inspections and tracked bridge construction activities to maintain the project schedule and prepare organized records for the client
- Worked closely with contractor to ensure a conscientious construction effort
- Analyzed concrete structures using STAAD Pro, created load envelope reports

The University of Manitoba
May – August 2XXX
& May – August 2XXX

UNDERGRADUATE STUDENT RESEARCHER

- Fabricated test specimens and performed experiments, adhered to Canadian test standards and lab safety protocol to ensure integrity of results
- Analyzed experimental data and prepared graphs using MATLAB
- Authored an academic paper and abstract which were published and presented at an international research conference (CICE 2014 – Vancouver BC)

VOLUNTEER EXPERIENCE

Student Success Centre
UWO, 2XXX – present

CAREER PROFILE ADVISOR

- Currently completing training on preparing effective employment applications in preparation for counselling future clients

2XXX **CSCE Conference**
January – June 2XXX

LOCAL ORGANIZING COMMITTEE MEMBER

- Created and maintained a Microsoft Access database of conference sessions and individual presentations to facilitate generation of schedules and signage
- Exported database reports to various print and online formats to ensure consistency across all published schedules

Let's Talk Science
UWO, 2XXX – present

COMMUNITY EVENT VOLUNTEER

- Carry out educational demonstrations enthusiastically and engage children in hands-on science activities in a safe and respectful manner

Hiring Committee in Structural Engineering
UofM, 2XXX

UNDERGRADUATE STUDENT REPRESENTATIVE

- Reviewed over 30 applicants for a tenure-track position, provided unbiased opinions, and assisted with identifying the most promising candidates
- Co-conducted applicant interviews, provided feedback to the committee based on undergraduate student needs and preferences

Students for Sustainability
UofM, 2XXX - 2XXX

DESIGN TEAM MEMBER

- Balanced coursework and extracurricular commitments to serve as an effective team member and put optimal effort into all undertakings
- Worked closely with teammates to design a system to provide safe drinking water and garden irrigation to students at a primary school in rural Honduras
- Travelled to Honduras to implement planned designs, worked vigorously to ensure construction and troubleshooting were complete during the short trip
- Faced challenges related to implementing contemporary designs in a foreign region, addressed material availability issues with innovative solutions
- Appreciated the importance of understanding local building practices, climate, and cultural tendencies to provide attainable, long-lasting solutions

EXTRACURRICULAR ACTIVITIES

2XXX - 2XXX **CAPTAIN,** ASCE/AISC Midwest Steel Bridge Competition

2XXX - 2XXX **STUDENT MEMBER,** American Concrete Institute UofM Student Chapter