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Objective

I am a determined, fourth-year civil engineering student seeking a full-time position post-graduation where I can challenge myself to take creative projects and gain knowledge and improve my skills by giving some input to the company.

Education

University of Toronto

2014-present

Civil Engineering Undergraduate Degree. *Cumulative GPA: 3.70/4.00*

Activities and Honours

- University of Toronto Dean's List Honour Roll (7 semesters)
- University of Toronto Civil Engineering Top Applicant Scholarship (2014)
- Member of University of Toronto Engineers In Action
 - Linguistic and Cultural Relations Specialist
 - Travel Team Safety Manager of 2018 Tablas Monte Build
 - Travel Team Project Manager of 2019 Lipez Build

Skills

- Superior analytical and problem solving skills
- Knowledge in construction management such as cost analysis, scheduling and project estimates
- Hands-on experience in the use of land surveying instruments and essentials of survey practice
- Knowledge in transit demand modelling and operational planning
- Excellent verbal and writing communication skills used to develop presentations and reports
- Technical proficiency in MS Office and Excel VBA programming
- Experience with Emme, AutoCAD, ArcGIS, Google Sketchup
- Knowledge of Health and Safety Act and technical Standards

Course Highlights and Projects

Group Design Project

- Provided a complete design for a light rail transit system in West Toronto that connects Pearson Airport to the Kipling and planned Humber College mobility hubs.

Public Transit Operations and Planning

- Obtained understanding of the factors that affect transit performance and demand, gained knowledge of best-practice transit systems planning and emerging innovations, and identified solutions at the operational level and the strategic level

Survey Camp

- Obtained experience in the essentials of survey practice including measurements of distances and angles, survey calculations, sources of error, corrections and adjustments
- Application exercises included route surveys, topographic mapping, and construction surveying

Relevant Work Experience

PEY Engineering Intern (*CRH Canada*)

May 2017-June 2018

Vaughan, Ontario

- Project management – provided estimates and justifications; executed conceptual designs; engaged consultants; prepared contracts; vendor selection; monitoring construction; controlling costs; commissioning; and customer handover
- Major projects included:
 - Water pH treatment systems
 - Traffic layout of concrete batch plants
 - Silo sandblasting and painting
- Created performance reports using Excel VBA to analyze data and diagnose problems to make recommendations for improvement in areas of energy conservation and quality control
- Major projects include:
 - Weekly operational batch accuracy report which highlights the accuracy of concrete batches, by material and plant
 - Monthly plant utility consumption report which highlights water, electrical, and gas consumption, by plant
- Created innovative solutions that demonstrate a strong commitment to client satisfaction
- Communicated efficiently and understood client requirements
- Worked jointly with Maintenance Team to develop maintenance plans for major repair and replacement projects
- Followed all necessary health and safety directives in accordance with legislative and CRH pyramid requirements
- Used of all MS Office and AutoCAD software

International Volunteer Experience

Safety Manager (*Engineers In Action University of Toronto*)

June-August 2018

Tablas Monte, Bolivia

- Participated in the 6-week build of a 64m span pedestrian bridge for a local community in Bolivia
- Conducted safety briefings and debriefings at beginning and end of day in English and Spanish
- Performed daily site inspections
- Performed fall protection inspection during decking stage of construction
- Responsible for reporting incidents and near hits
- Ensured compliance with safety standards (Personal Protective Equipment, etc.)

Additional Work Experience

Rides Team Lead (*Canada's Wonderland*)

April-August 2016

Vaughan, Ontario

- Assumed direct supervision of Rides department staff consisting of about 30 employees in team
- Prepared daily staff schedules, ensured adequate staffing levels and efficiency of operations
- Implemented training procedures and led training sessions for staff members
- Confirmed labour laws were adhered to by staff
- Ensured compliance with governmental ride regulations and enforced operational standards
- Conducted opening/closing procedures and coordinated ride downtimes
- Addressed and resolved escalated guest concerns