**BENJAMIN CHIN**

**46 Hyde Park Drive, Richmond Hill, Ontario L4B 1T9**

**chinb6@mcmaster.ca 416-616-1751**

**Education**

**Civil Engineering Co-op 4th year student *2014-present***

*McMaster University*

**High School graduate and Honour Roll Student *2010-2014***

*St Robert Catholic High School*

**Work Experience**

**DUFFERIN CONSTRUCTION COMPANY**

**Construction Coordinator Co-Op *May 2017-August 2018***

* Provided effective administration of construction projects to ensure successful execution of building plans, cost control, schedule and safety
* Worked on the 407 widening between Markham Rd and Brock Rd, Rossland Road Reconstruction in Ajax, and the Rona Parking Lot Reconstruction in Markham.
* Performed accurate calculations and measurements for material and service procurement
* Created weekly schedules to ensure projects are completed within the required timeframes
* Instructed the construction team on how to build each contract item as per drawings and specifications; inspected work performed to ensure accurate execution
* Resolved daily on-site problems through liaison and follow up with the Consultant, Foremen and Subcontractors
* Supervised all workers on sites and ensured safe work procedures

Achievements:

* Completed accurate and detailed KPIs for the head office and superintendent
* Accurately projected profit/loss forecasts on different contract items
* Completed traffic control plans referring to Ontario Traffic Manual Book 7
* Submitted timely change orders (extra work items) to the consultant that received approval
* Led the co-ordination of the Rona Parking Lot Reconstruction that was completed on schedule and on budget
* Completed the Rossland Rd Reconstruction on schedule and under budget
* Maintained valid and up-to-date locates, safety and insurance documents
* Submitted monthly payments to each subcontractor and approved all vendor invoices prior to payment
* Submitted monthly billing documents for client’s approval

**CITY OF MARKHAM**

**Civil Engineering Student (Field Surveyor)**  ***Summer 2016***

* Surveyed sites using the Total Station to precisely locate key features (buildings, trees and hydro poles etc.) for engineering drawings
* Surveyed elevations for 40 manholes, culverts and ditches for constructed drawings, and provided advice to the engineers if there was not enough slope for drainage
* Accurately surveyed property lines to settle legal disputes between the City and property owners
* Communicated with over 1000 residents regarding upcoming streetlight construction
* Assisted in traffic control while surveying and laying out busy roads, and advised construction contractors to follow safety standards in order to avoid potential danger and injuries.

Achievements:

* Helped the Survey Crew solve problems by providing recommendations to minimize potential flooding while laying out curb
* Reviewed the curb layout calculations to ensure accuracy, resulting in reduced time wasted and rework
* Surveyed and inspected over 100 light poles to ensure they were safe to the public and identified streetlight pole lengths and heights

**ST. LUKE'S CATHOLIC CHURCH**

**Volunteer for the Out of the Cold Program  *2012, 2014***

* Contributed in preparing meals and setting up a place to sleep for the underprivileged during winter
* Led the group to complete all the tasks efficiently in an organized manner while meeting the food safety requirements

**Technical Skills**

* Matlab programming and beginner in Python programming
* SAP Viewpoint (Project Management Software), Sap 2000, AutoCAD, Autodesk Inventor, Naviswork, Revit, GIS, Microsoft PowerPoint, Excel and Word
* Fluid Mechanics, Structural Analysis, Reinforced Concrete and Structural Steel Design
* Geotechnical, Transportation, Environmental, and Pavement Engineering
* Field Surveying including use of the Total Station, construction stake outs, boundary, feature and topographic surveys, Road curb layout, streetlight and manhole surveys.
* Geotechnical Soil Testing - ability to perform Hydrometer Analysis Test and Atterberg Limit Test
* Concrete Testing- Sieve Analysis, Density, Moisture Content, Absorption, Shrinkage, Compression strength and Tensile strength tests
* MOL Working At Heights Certified

**Teams**

* Played high school basketball for St Robert CHS ***2010-2014***
  + Team captain of my high school basketball team for two years and Team MVP in 2012
  + Lead the team vocally and by example
  + Helped put my teammates in position to succeed, and brought out each of their strengths in order to win games
* Played high school hockey for St Robert CHS ***2013***
  + YRAA high school hockey champions
* Played rep for the Motion Basketball Organization ***2013***
  + Key member of the team that beat some of the best club teams in the province
  + Displayed hard work, dedication, and being coachable