



ANDREW ROBERTSON

a4robertson@ryerson.ca robeandr.github.io/resume

SUMMARY OF SKILLS

- Highly adaptable at learning and understanding new procedures
- Gained MicroStation VBA experience as Student Field Technologist with TTC in summer of 2019
- Proficient in Microsoft Office, Autodesk AutoCAD and Inventor, MicroStation, ArcGIS, MATLAB, Python, AppleScript

EDUCATION

MPL URBAN DEVELOPMENT RYERSON UNIVERSITY TORONTO, ON 2021–PRESENT

- Attending MPL Urban Development program started in September of 2021

B.ENG. SPEC. HONS. GEOMATICS YORK UNIVERSITY TORONTO, ON 2016–2020

- Completed four-year Bachelor of Geomatics Engineering at York University
- Won AOLS Award for highest average in Year 3 Geomatics Engineering program
- Successfully developed transportation justice transfer-counting map for Toronto and accompanying processing software with team
- Two-time team member at National Geomatics Competition
- Developed accessibility assessment for public transit using CSA standards with Capstone team
- Took Fundamentals of Surveying and Geodetic Surveying courses with field school components
- Completed Urban Transportation: Introduction to Critical Issues in Year 4 with downtown Mobility Analysis

OSSD HENRY STREET HIGH SCHOOL WHITBY, ON 2012–2016

- Awarded Governor General's Academic Medal for highest average in Grade 11 and 12
- Received Grade 12 awards in Instrumental Music, Physics, Technological Design, and Arts extra-curricular contributions
- Won gold in Durham Architectural Skills design competitions 2015 and 2016

JOB EXPERIENCE

RESEARCH ASSISTANT RYERSON UNIVERSITY TORONTO, ON OCTOBER 2021–PRESENT

- Compiled and cleaned public survey data
- Basic statistical analysis of autonomous vehicle survey results
- Comparison of past surveys with current survey, including data-matching and formatting

JUNIOR RESEARCHER ROUSE SURVEYORS INC. TORONTO, ON MARCH–AUGUST 2021

- Compiled and cleaned field note data
- Migrated job records to new provincial database
- Wrote documentation describing upload to and usage of new database
- Communicated with clients and prepared and sent estimates for jobs

GEOMATICS SURVEYING ASSISTANT TORONTO TRANSIT COMMISSION TORONTO, ON SUMMER 2019

- Compiled CAD mapping data
- Performed field edits to check contractors' surveys against reality
- Assisted with surveying tasks in the field
- Wrote VBA add-ins to streamline MicroStation data-entry and to enforce CAD standards

STUDENT FIELD TECHNOLOGIST ROUSE SURVEYORS INC. TORONTO, ON SUMMER 2018

- Prepared TTC safety documents and marked out subway tunnels for construction project
- Set up and ran total station for topographic and boundary surveys, and assisted and learned from party chief
- Communicated with clients and prepared and sent estimates for jobs

OFFICE ASSISTANT ST. ANDREW'S PRESBYTERIAN CHURCH WHITBY, ON SUMMERS OF 2015, 2016, & 2017

- Managed rentals, announcements, and messages in church office
- Organized back-to-school give-away and assisted in running Food Bank Fridays
- Compiled and edited various short movies for church events
- Researched pricing options, migrated office from Microsoft Office 2010 to Office 2016, and trained new users

VOLUNTEER EXPERIENCE

TECHNICAL DIRECTOR	YORK UNIVERSITY ENGPLAY	TORONTO, ON	2019–2020
<ul style="list-style-type: none">• Designed and led setup and teardown of lighting and sound equipment and stage• Designed lighting for different scenes and programmed lighting board• Ran sound board during show and assisted in lighting control			
CHIEF OPERATIONS OFFICER	YORK UNIVERSITY GEOMATICS CLUB	TORONTO, ON	2018–2020
<ul style="list-style-type: none">• Piloted visit to local high school and member of team that visited high schools to promote Geomatics at York• Booked and prepared rooms for Geomatics Club events, such as Geomixer, and helped to promote Geomatics• As Operations Officer for Geomatics & Civil Engineering Career Fair 2019 and 2020, contacted companies and set up event• Worked with other club members, staff, and faculty to have Geomatics-themed events for students			
GEOMATICS REPRESENTATIVE VOLUNTEER	LASSONDE SCHOOL OF ENGINEERING	TORONTO, ON	2016–2020
<ul style="list-style-type: none">• Discussed what Geomatics at York is like to prospective students at Campus Days and at Ontario Universities' Fair• Represented Lassonde Geomatics by volunteering for Geomatics workshops at Lassonde Discovery Days• Compiled and designed activities for visiting high school to demonstrate geomatics concepts			
TECHNICAL DIRECTOR	HENRY STREET HIGH SCHOOL	WHITBY, ON	2014–2016
<ul style="list-style-type: none">• Listened to event organizers' needs and determined setups for events as a stage manager, technical director, and lighting operator for school plays• Managed team members as team captain and trained new members			
AUDIO–VISUAL TECHNICIAN	ST. ANDREW'S PRESBYTERIAN CHURCH	WHITBY, ON	2011–PRESENT
<ul style="list-style-type: none">• Operates and troubleshoots sound and computer systems before and after service• Researched, recommended, and set up live-stream equipment and software for weekly services• Created schedule and managed team members during summer while music director was on sick leave			