Andrew Robertson

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Summary of Skills

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

Education

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

- Currently completing Year 4 of Bachelor of Geomatics Engineering at York University
- Won AOLS Award for highest average in Year 3 Geomatics Engineering program
- Successfully developed transportation justice map for Toronto and accompanying processing software with team
- Two-time team member at National Geomatics Competition
- Developed study with team members on accessibility of public transit for Capstone project
- Took Fundamentals of Surveying and Geodetic Surveying courses with field school components in spring 2018 and 2019 using Leica instruments

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

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

- 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

GEOMATICS CLUB OPERATIONS EXECUTIVE	YORK UNIVERSITY	TORONTO, ON	2018–PRESENT

- Piloted visit to local high school and member of team that visited high schools to show off Geomatics at York
- Booked and prepared rooms for Geomatics Club events, such as Geomixer, and helps 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–PRESENT

- Demonstrated what Geomatics at York is like to prospective students at Campus Days and at Ontario Universities' Fair
- Represents 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

- 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

- Created schedule and managed team members during summer while music director was on sick leave
- Operates and troubleshoots sound and computer systems before and after service