Nickolas Leipold

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Technical Ability

- Complete understanding of programming in C from creating file I/O and linked list libraries and a multitude of in class assignments
- Completed projects that incorporated arrays and objects on the screen as well as encryption
- Great capabilities of operating in a logical order
- Data recording from the use of Google firebase to record access to a security door with live updates
- An understanding of algorithm analysis with Big O notation
- Sorting and manipulation of data in Assembly and effective use of Java and C
- Comfortable coding Java
- Able to comprehend complex concepts and complete them independently or in group settings
- Able to explain information in many ways to help people understand a concept from helping colleagues in class and orientation volunteer experience
- Beginning levels of programing in Assembly using the Motorola 68000

Education

Bachelor of Computing, Honors Major in Computer Science (co-op)
University of Guelph, Guelph, Ontario   2015 – Present

- Completed a core class Data Structures with a 90 final mark
- Completed first year courses achieving Dean's Honour list for both semesters
- Recipient of an entrance scholarship for academic performance

Ontario Secondary School Diploma
Leamington District Secondary School, Leamington, Ontario   2012 – 2015

- Achieved an Ontario Scholar award upon graduation
- Participated in the London, Ontario Science Olympics

Work Experience

Paint and Sandblasting Safety and Special Projects, Facca Inc., Ruscom, Ontario
April - August 2016

- Developed safety training cards for Safety Staff which streamline the ministry of labour processes, resulting in less and shorter work stoppages by readily providing employee's certifications

- Developed an automatic door lock using NFC communication with an android phone and an NFC enabled Arduino, all self managed Using google firebase as a backend, allowing door access to be monitored and controlled remotely
- Created an application to display job numbers and descriptions to employees to help stream line work processes
- Maintained sandblasting and painting equipment and ensured safety of operators

Produce Packer and Line Lead, Pure Flavour, Leamington, Ontario   June – August 2015
- Sorted and packed produce to fill business orders
- Maintained work flow of the line and performed quality checks on packed produce

Ontario Youth Stewardship Ranger, Ministry of Natural Resources, Wheatley, Ontario

June – August 2014
- Obtained Wildlife Research Information for wildlife and ecosystem statistics
- Collaborated as a team to finish projects such as reintroducing native plant species back into natural habitats
- Organized and analysed data to distinguish trends in different ecosystems

Extracurricular Activities and Volunteering

Orientation Volunteer Team Leader, University of Guelph, Guelph, Ontario   September 2016
- Lead of team of other enthusiastic orientation volunteers in making all the new students feel welcome to campus and help them with any questions
- Taught in-roads sections to incoming students that enlightened them on the information they may need and circumstances they may encounter in their time as a University of Guelph student

Volunteer youth, St. Paul's Lutheran Church, Leamington, Ontario   2005-present
- Dedication from helping with luncheons and church services
- Participated in two CLAY youth gatherings and participated in initiatives that support rights to drinking water and helped clean public areas

Volunteer, iCan Bike, Windsor, Ontario   August 2013
- Assisted special needs children in learning how to ride a bike
- Worked with others to make the day fun and productive for the children

References Available Upon Request