

Ontario Skills Passport

Building a Resume

End of Grade 12



Coding Skills

- In grade 12 programming course, created code that had recursion, 1D and 2D arrays, methods (subprograms), programmatically created user-interfaces, ADTs, objects.
- Learned algorithm efficiency analysis and problem solving skills. Worked with merge, quicksort, selection sort, merge sort, binary search and linear search.



Object Oriented Programming

- Have created encapsulated objects designed to allow information-hiding enabling effective group collaboration.
- Used a Stack to emulate a card deck in a game

Android Development

- Have created 3 fully packaged apps including complex widgets such as timers, intents and progress bars.
- “No-tak-to” involved a user-centric design, “Minesweeper” included a programmatically generated minefield, and “That’s It” included a stack and a card object.

Languages

- Java, XML



If you did grade 10,

Databases & SQL

- Learned how to create and manipulate a database in MS Access, including data validation
- Proficiently coded multi-table joins and aggregates in SQL

Languages

- Javascript, SQL





OTHER CODING RESOURCES

Video Introduction

CourseWare from uWaterloo - at the bottom are 4 courses: Python from Scratch, Language Independent Courses, Web basics, Web programming

Coding Circles (Python) from uWaterloo

Khan Academy Computer Courses: a variety of courses including Webpages, Logic Gates, Internet, AP Computer Science,

Web Pages from Code.org

CS Awesome

Additional Resources form Hour of Code

Android Courses from Udacity

- How to install Android Studio
- Android Basic UI
- Android User Input
- Multiscreen Apps
- Android Data Storage

repl.it - Online Java Compiler

If you do some courses on your own,

Completed CS CourseWare from UWaterloo

- Mastered OOP, methods and arrays in Python.
- Course done during summer to sharpen coding skills.

+ other languages

<http://www.gorskicompsci.ca/CodingClub.html>