**Taniya Peterratnaraj**

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1. **779 - 0905 Taniya Peterratnaraj**



**Highlights and Qualification**

Computer skills

* Experience in C, coding problem sets given in labs at Ryerson
* Experience in C++, SDL 2.0 for recreational game development and a Ubisoft contest
* Experience in HTML and CSS from personal projects.
* Experience in Arduino and 3D printing for a contest held by Thales
* Experience in Java, Python and Pygame, creating recreational games
* Experience in Unity3D and C# in the Game Maker’s Union at Ryerson
* Experience in VR, participated in a study using HTC Vive
* Experience in Game Maker, building games in the Computer Club at Holy Name of Mary
* Proficient in Microsoft Office, Google Suite

Electrical Skills

* Soldering
  + Soldered parts of the robot built for the Thales competition
  + Desoldered broken parts in old consoles and resoldered them
* Circuit Design
  + Designed and measured electronic circuits in labs at Ryerson

Communications skills

* Fluent in English and Tamil
* Advanced Knowledge in French and Sign Language

Customer Service

* Took orders and efficiently handled complaints at Tim Hortons.

**Education**

Sept 2016 – Apr 2020 Ryerson University

Bachelor of Engineering in Computer Engineering

**Related Activities**

October 2017 Thales Arduino Competition

* Researched about robotics and Arduino in a small group to successfully build and automate a 4WD robot with the use of 3D printing, which achieved 3rd place

Sept 2016 – Present Game Maker’s Union – Ryerson University

* Worked on game development in a small group with Unity and Blender to familiarize myself with gaming algorithms and designs

Sept 2014 – Jan 2016 Computer Club – Holy Name of Mary

* Led a small team of 3-4 peers in research and game development to create an entirely original game for two separate contests

Present Ongoing and Finished Side Projects

* Repairs
  + Repaired computers (e.g. MacBook Air, Acer)
  + Old Consoles (e.g. Sega Game Gear, Microsoft’s Original Xbox, N64 controller)
  + Electronics (e.g. Video Cameras)
* Game Development
  + Strategy/Fantasy game coded in C++ using SDL 2.0
* Hackathons
  + Participated in multiple Hackathons in the last two years to improve my coding and logical thinking skills
* Website
  + Created a website using HTML and CSS, which is hosted on GitHub
    - URL: taniyapeters.github.io
* VR Study
  + Participated in a VR study to test how motion sickness might affect user experience with the HTC Vive

**Work Experience**

June 2017 – Oct 2017 Tim Horton’s

* Cashier – Took orders and cashed out customers in an efficient manner
* Drink & Sandwich Maker – Made the drinks and sandwiches for the customer in a fast-paced environment - 35 second wait time for drinks and about a minute for sandwiches

Oct 2013 – Aug 2016 Brampton Guardian

* Delivered and tied over 250 papers weekly in all weather conditions