Raymond Lam

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EDUCATION

Ryerson University, Toronto, Canada — *B.Eng*

September 2016 - April 2020

Bachelors in Computer Engineering

Graduated with Distinction

GPA: 3.56/4.33

PROJECTS

- RFID Security Door – Arduino
  Created a motorized door that opened for the specific RFID keys

- Bank Account Application - Java
  Banking application for customers and banking manager to securely perform banking operations: deposits, withdraws, transfers, and opening account(s)

- Pokedex - Java
  Created a database for the game of Pokemon that can be searched with a variety of queries

- Arithmetic Logic Unit(ALU) – VHDL
  ALU used to perform operations on two 8-bit input and display the result on seven segment display composed of the following components: CPU, latches, cache, and a cache controller

- Media Center
  - Embedded computer System
  - Functions: Photo gallery, Music speaker, tic tac toe
  - MCB1700 Board

- Stock Market Forecasting - Python
  Using the Tensorflow library, forecast the daily closing value of a single security over the next 30 days

- Online Cafeteria for Companies– Web Application
  Companies can register to employ an online cafeteria where employees can order lunch meals from an online website
  - React Frontend
  - Python Flask Backend
  - SQLite Database

RELEVANT COURSES

- Object Oriented Engineering Analysis and Design
- Algorithms and Data Structures
- Computer Architecture
- Operating Systems
- Embedded Systems
- Computer Networks
- Network Security
- Computer Vision
- Software Engineering
- Data Engineering

LANGUAGES

- Java
- C
- VHDL
- Python
- Matlab
- SQL
- HTML/CSS/JS
  - React Framework