

Maxwell Tyson

Computer Information Systems Student

LinkedIn - Maxwell Tyson
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RELEVANT SKILLS

- Passion for computers and programming languages
 - Completion of modules on codecademy.com for different languages
- Enjoy building and repairing computers running on Linux or Windows in spare time.
- Have fun with Raspberry Pi doing projects in spare time.
- Confident in programming languages such as Java, Javascript, HTML5, CSS, MySQL and Bash
- Effective internal and external business communication
- Efficient navigation of Linux system through the terminal.
- Vast knowledge and many years experience using inventory management systems.
- Passion for volunteer work and community involvement.
- Recently volunteered for Explore IT as a mentor for prospective female students in the information technology field.

EDUCATION

Bachelor of Computer Information Systems

Mount Royal University

Anticipated graduation date: Fall 2018

Maintained high GPA, making Dean's Honor Roll for 2015 and 2016

ACADEMIC PROJECTS

- **The Simple Computer** - Worked with a 12 bit simulated computer learning assembly language and low level processing of code.
 - Learned basics behind computer architecture and how each command is carried out by the processor, how memory is allocated/used, and how to process interrupts.
- **Thermostat Project** - Final project of second level Java Programming focused on aspects of encapsulation, and modelled and implemented a furnace/thermostat system
 - The system developed made use of UML diagrams, timers, interfaces, subclasses, and a user friendly GUI.
- **Big O Analysis of data structures** - Developed a chained hash table as well as a hash table using open addressing to compare the time of specific operations between these data tables.
 - Operations that were successfully tested included add, find and remove for a list of 10,000,000 unique words.
 - Output of the Big O analysis was Automatically exported to a properly formatted excel sheet for speed comparisons between data structures.
- **Analysis of Blackboard** - Systems Analysis team project involved working directly with the IT support staff of Mount Royal University for the research and proposal of a new Learning Management Software.
 - Deliverables included a baseline project plan, use case diagram and descriptions of current system, Feasibility analysis of proposed systems, Cost Benefit analysis of proposed systems, Candidate solution matrix, data flow diagrams at several levels for current system, and a final presentation outlining our solution chosen for the organization.
- **Game design** - Design and implementation of a simple web game using HTML, CSS, and Javascript.

AWARDS

Jason Lang Scholarship

2016

- Awarded for maintaining academic excellence for the year of 2016

WORK EXPERIENCE

The Brick, Deerfoot Meadows — *Merchandiser*

September 2013 – September 2016

- Exceeded expectations in setting up home theater displays through organized cable management, ensuring full functionality of components and making sure displays were set up to meet vendor's specification.
- Strong problem solving skills allowed me to fix or salvage broken furniture so it could be resold.
- Effective interpersonal skills while serving customers for pick-ups, returns, and general questions on the assembly of their purchase products.

Border Collie Construction — *Laborer*

June 2013 – October 2013

- Displayed extreme accuracy in measuring, cutting and installing exterior finishing on all windows and doors.
- Effective use of materials and time with construction of decks and balconies, working in teams or individually for maximum efficiency between multiple contracts.

Future Shop, Shawnessy — *Computer Expert*

July 2010 – October 2012

- Informed and educated new or returning customers about the newest technology in computers and computer accessories.
- Efficiency in performing customer transactions and credit applications.
- Timely and detail oriented setup of computers for display to customers.

COMMUNITY INVOLVEMENT

Mount Royal University — *Explore IT Volunteer*

May 2016

- Assisted Prospective female students in workshops with programming by communicating technical information to a non-technical audience.

The Woof Pack — *Dog Walker*

2015 – 2017

- Assist with dog walks and have worked on introducing socially reactive dogs into a pack environment.

Calgary Humane Society — *Event Volunteer*

2013 – 2014

- Ticket sales for events, fundraising assistance, and event participation at many charity events.

The Mustard Seed (Inn From The Cold) — *Volunteer*

2008 – 2014

- Aided in set up of facilities, the preparation of dinner, breakfast and a packed lunch for Calgary's homeless community.

Theater Calgary — *Volunteer*

2010 – 2014

- Ticketing services and serving patrons in many fundraising events.

CERTIFICATIONS

- Maintained certification of Apple Product Professional while working at Future Shop

REFERENCES

- Available upon request