Arthur Chen

{ Tech }

Languages

Bash - C - Java - Python - Javascript - HTML5 - CSS3 - JQuery - Verilog - MatLab

Tools

MySQL - Github - Eclipse - Android Studios - LABView - Photoshop - Illustrator

Frameworks

Node.js - Bootstrap - Angular.js

Platforms

Android - iOS - Shell - Windows - Linux - OS X

Hardware

Embedded Systems - Integrated Circuits - Controllers - Electrical Equipment

{ Projects }

- **Beer'd:** Identifies brand of beer based on taste/type/colour and finds closest LCBO location.
  - Implements **LCBO API** for identification, **Google Maps API** for location finding, **Facebook/Twitter API** to share the beer online, **encryption** for each search query, designed based off **blackboard architecture**
  - Built using **Java** and **XML** on **Eclipse** and **Android Studios**.

- **Connect 4:** Classic game with extra features such as playing against AI and saving/loading a game.
  - Application of **Object Oriented Programming**, **Front-end** and **Back-end** development using **MVC Architecture**.
  - Built using **Java** on **Eclipse**.

- **InstaWallet:** Back-end of application that stores card information instead of physical copies.
  - Use of **abstract datatypes** to represent a card, an array to store each card, and **mergesort** and **quicksort** algorithms to list items alphabetically.
  - Built using **Java** on **Eclipse**.

Contact

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About

- **Objective:** Design and develop cheap and effective solutions using innovative technology that can be used by anyone.
- **Proficient:** Learning and adapting to new tools, concepts, and technologies and understanding their strengths and applications

Education

McMaster University
Bachelor of Engineering
Class of
2017/2018
Software Engineering
Embedded Systems

Relevant Courses

- Algorithms and Databases, Concurrency Software Testing and Design, Databases, Signals and Systems, Dynamic Systems and Control

Volunteer

- **Tutor, Henderson Avenue PS:**
  Assisted students in math/science/music and helped them raise their grades from C/D to B/A Developed strong communication and teaching skills.

- **Cadet, St. John's Ambulance:**
  Upholded strong disciplinary and first aid skills.
  Lead other cadets through marching and first aid procedures.

Interests

- **Art and Design:** UI design, image creation and alteration via Illustrator/Photoshop. Manual design/modelling.
- **Music:** Creating music electronically and playing 4 different instruments.
- **Video Games:** PC gamer looking to expand and learn VR technology.
- **Sports:** Ultimate Frisbee, Fitness