

TSZ SENG LINCOLN LO

✉ Tsllo@edu.uwaterloo.ca · (647) 971-3820 · 🌐 github.com/Lincoln23 · 🌐 in/LincolnLo

EDUCATION

UNIVERSITY OF WATERLOO, CANADA

SEPTEMBER 2017-CURRENT

Candidate for Bachelor of Applied Science in Honours Computer Engineering, Co-op

{ } SKILLS

- Experience with Java, C++, HTML, CSS, JavaScript, jQuery, XML, familiar with Python, C#
- Experience with Bootstrap, MySQL, PHP, Android SDK, JSON, familiar with Angular5
- Familiar with version control using Git and SVN
- Strong problem-solving and debugging skills
- Experience with the full mobile application development lifecycle
- Experience with front-end web development/design
- Familiar with TensorFlow and Machine Learning/deep learning concepts
- Strong teamwork and communication skills

PROJECTS

FIND FOOD

🔗 <https://lincoln23.github.io/>

A website built using Google Map's Places API, Bootstrap, HTML5, CSS, and jQuery that allow users to find nearby restaurants, cafés, or bakeries

- Built a responsive and interactive website using the Bootstrap library and styling in CSS
- Created functions that mark nearby places of interests and clears old markers using JavaScript
- Created jQuery functions to allow users to update places of interests via image clicks

WEATHER RUN

🔗 github.com/Lincoln23/WeatherRun

An Android app using OpenWeatherMap's API that gathers weather information, then based on the user's preferences, the app informs the user if the weather is suitable for running via an image

- Built multiple functions to parse and interpret JSON formatted data
- Created a pop-up alert box to allow the user to change the location to any city in the world
- Focused on applying critical object-oriented design principles to simplify future updates

TRANSPORT AUTHENTICATION



Created at HackValley2

A fully integrated system which allows the user to seamlessly use public transport without the hassle for cash payments, built using Microsoft Azure Facial Recognition API and Speech Recognition

- Created an Android app that captures an image then uploads the bitmap to Firebase Storage
- Trained an AI bot to recognize keywords and parsed the JSON object to retrieve data
- Implemented a facial recognition program that identifies the user from an image set in Python

PRESSURE ACTIVATED-LOCKING-SYSTEM

🔗 github.com/Lincoln23/PressureLock

A pressure activated system written in C++ and developed on an Omega Onion that allows an individual to unlock/lock their door by knocking on the pressure pad in a specific pattern

- Designed an algorithm to track a user input pattern and store it into a text file using ofstream
- Created a logging function using getTime() and concatenated the time with the status of the system
- Designed a function that matches the saved pattern to the input using Boolean arrays

RELEVANT EXPERIENCE

DESKTOP SUPPORT TECHNICIAN INTERN, TECK RESOURCES

MARCH 2017 – APRIL 2017

- Resolved complex technical issues through research and effective follow up procedures
- Installed and maintained Windows, security software, patches, and anti-virus updates

TECHNICIAN INTERN, EVERGREEN COMPUTERS

OCTOBER 2015 – MAY 2016

- Communicated with customers to build a computer that is best suited to their needs
- Problem solved complex technical problems and performed computer tune-ups for client