JOHNNY LEUNG

+1 604-970-1828
johnnyleung10.github.io/
johnnyleung2001@gmail.com
github.com/johnnyleung10
linkedin.com/in/johnny-leung10/

Education

University of Waterloo
(2019 – Present)
Expected Graduation 2024
Candidate for Honours Bachelor of Computer Science

Skills

Languages:
Java, HTML, Python, C, Racket, Kotlin, Javascript, C++, CSS

Technologies:
React, Android Studio, TD Da Vinci API, TensorFlow, NumPy, scikit-learn

Tools:
Git, Raspberry Pi, Maven, Node.js, Firebase, Anaconda

Activities

Vikings Athletic Council (2017-2018)
- Promotions team leader

Bantam Boys Rugby (2017-2018)
- Assistant head coach

Provincial Election 2017 (2017-2018)
- Campaign aid

Awards

Athletic Service Award
Burnaby North Secondary
(2018 & 2019)

AP Capstone Diploma
CollegeBoard
(2019)

AP Scholar
CollegeBoard
(2018 & 2019)

Projects

Breast Cancer SVM Model — *Python* **Jan 2020**
- Extracted breast cancer data from the UCI Machine Learning Repository to train a program to predict whether a tumor is benign or malignant
- Used **TensorFlow** and the SVM model for predicting results to 95% accuracy

Mapa (Hack the North 2019) —*Javascript* **Sep 2019**
- Utilized **TD's Da Vinci API**, **Firebase API**, and **Google Maps API** to create a web app with a heatmap for displaying transaction hotspots in Toronto
- Developed the front-end portion of the project, using **React** and **Firebase** to retrieve and convert data generated from back-end

Blackjack Plugin — *Java* **Aug 2019**
- Designed and implemented Minecraft plugin that allows the user to play Blackjack right inside of the game
- Used the **Spigot API** to access game methods and **Vault API** for incorporating plugin into a popular in-game economy
- Created a chip betting system using in-game items

Higher or Lower Card Game — *Kotlin, Java* **Jun 2019**
- Used **Android Studio** to program a higher or lower card game
- Utilized file writing in order to store game data on user device

Raspberry Pi Temperature Sensor — *Java* **May 2018**
- Used **Java** to create a program that can remotely detect temperatures using Phidget sensors.
- Collected data and transmitted to the **Raspberry Pi**, which then transfers data wirelessly back to laptop
- Implemented graphing system to graph out results and find averages, highs, and lows

Work Experience

Lifeguard/Swim Instructor **(2018 – Present)**
City of Burnaby
- Taught swimming skills and safety to people of all ages (infants to adults)
- High-level of first aid training and knowledge and careful attention to detail to oversee patron safety and prevent hazards in the pool

Merchandiser/Cashier **(2016 – 2018)**
Shoppers Drug Mart
- Duties include cashiering, stocking shelves, basic cleaning, and customer service