

JOHNNY LEUNG

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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