Luke Zhang

Sir John A MacDonald Secondary School

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Website: luke-zhang-04.github.io

GitHub: github.com/Luke-zhang-04

Stack Overflow:
https://stackoverflow.com/users/12370337/luke

Experience

K&K Cabinets and Countertops
Web development competition, 2019

➢ kk-cabinets.herokuapp.com
➢ Created a website for the company K&K Cabinets and Countertops using a combination of JavaScript, HTML, and CSS
  ○ Won 1st place in competition
➢ Used Firebase Realtime Database, Cloud Firestore, Storage, and Authentication
➢ Used Google Cloud Functions to create admin site
➢ Used a combination of other libraries and frameworks, including Scrollmagic and Bootstrap
➢ Worked on front-end design and connections with Firebase

Hack the Hammer
Hackathon, 2019

➢ Used Unity to create augmented reality animations with RFID readers and image detection.
➢ Scripted animations with C#.
➢ Full project on GitHub: https://github.com/Luke-zhang-04/ARMuseumHTH
➢ Worked on animations

Bay Street Popular Real Estate
Web development competition, 2019

➢ bay-street-popular-real-estate.firebaseapp.com
➢ Used HTML, CSS, JavaScript, and Firebase to create a dynamic web application for a company "Bay Street Popular Real Estate".
➢ Used Firebase to create user authentication and over 1 000 datasets
➢ Worked on front-end design and database connections

Clubs and Teams

- Debate club executive
- DECA
- Computer science club
- Mathletes
- Electric vehicle club
- Junior band

Skills

Python 3: Highly experienced; used in competitive programming and project situations.

Web development: Highly experienced; used HTML5, CSS, SASS, and JavaScript to create static and dynamic web applications. Also used Bootstrap and Flask frameworks.

Firebase: Highly experienced; used Google's Realtime Database, Firestore, storage, cloud functions, and user authentication to create web pages.

Golang: Experienced; used Go to solve LeetCode problems.

C++: Experienced; used C++ to solve Canadian Computing Competition problems and LeetCode Problems.

Achievements

Achieved **group 3 junior honour roll** in the 2020 **Canadian Computing Competition** with 71/75 points

FBLA Canadian National Leadership Conference 2019
- 2nd place overall for management decision making
- National Leadership Conference Qualifier

DECA Regionals 2019 (Waterloo)
- Top Ten for the multiple-choice exam
- Top Ten for case studies
- Third place overall
- Provincial Qualifier
- Business finance services

Received an **Academic Excellence Award** at Sir John A. MacDonald Secondary School for the 2018-2019 school year

Achieved **distinction** in the following:
Pascal Math contest, 2019;
Mathematica Lagrange contest, 2018;

Achieved **distinction** and a **perfect score** in the Beaver Computing Challenge, 2018