

Leon Liu

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EDUCATION

Ontario Secondary School Diploma
St. Robert CHS, Thornhill, Ontario

Sep 2015 - Present

EXPERIENCE AND EXTRACURRICULARS

SHAD Participant
London, Ontario

Jul 2018 - Aug 2018

- Attended SHAD program at Western University
- Worked on a business project that would help build resiliency to natural disasters
- Developed an app sketch for a donation system that could be used to assist those affected by natural disasters

VEX Robotics Team 1818A Lead Programmer
Richmond Hill, Ontario

Jul 2017 - Feb 2018

- Wrote majority of the code for both autonomous and tele-operation phases in RobotC, including drive train and robotic arm and claw control systems
- Qualified for Ontario provincial tournament

Triway Education Programming Teacher
Richmond Hill, Ontario

Jun 2017 - Aug 2017

- Taught an intermediate Java course with 15 students in preparation for the Canadian Computing Competition
- Topics covered included basic data structures, searching and sorting algorithms, and recursion

SKILLS

Languages Java, LaTeX, RobotC, Processing

PROJECTS

The Indoor Kites *Java, Processing*

- A 2D top-down shooter created in collaboration with a classmate
- Practiced agile software development with Scrum methodology
- Implemented 2D movement with keyboard input and a collision detection algorithm in Processing

AWARDS AND ACHIEVEMENTS

American Invitational Mathematics Exam Qualifier *March 2019*
Scored in the top 5% of American Mathematics Competition participants

Mathematical Association of America

United States of America Computing Olympiad Platinum Division *December 2018*
Solved all problems in Bronze, Silver, and Gold divisions in Java

USACO

Canadian Senior Mathematics Competition Honour Roll *December 2018*
Scored in the top 300 participants

Waterloo CEMC

Canadian Computing Competition Senior Division Honour Roll *March 2018*
Scored in the top 150 participants

Waterloo CEMC