

# Mark Liu

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## Education

### University of Waterloo (incoming first-year student)

BACHELOR OF COMPUTING AND FINANCIAL MANAGEMENT

- University of Waterloo President's Scholarship of Distinction

*Waterloo, Ontario*

*Sep. 2020 - Exp. Apr. 2025*

### St. Aloysius Gonzaga Secondary School

ONTARIO SECONDARY SCHOOL DIPLOMA, EXTENDED FRENCH CERTIFICATE

- Extended French Program, 97.33% Grade 12 Top 6 average

*Mississauga, Ontario*

*Sep. 2016 - Jun. 2020*

## Skills

**Languages** Java, Python, JavaScript, HTML, CSS, Dart

**Tools/Technologies** React.js, Express.js, Node.js, MongoDB, Flutter, Git, Android Studio

## Projects & Competitions

### StreamerConnect

- Full stack web application to help small Twitch streamers network and collaborate with each other
- Developed a RESTful API with Node.js, Express.js, and MongoDB. Scalable and responsive front end built with React.js

### Stock Predictor

- Stock prediction program using Python and machine learning
- Parsed historical data from the web into CSV files. Read, stored, and organized the data into Pandas dataframes
- Used NumPy and SKlearn to model data with Support Vector Regression, Decision Tree Regression, and many more to predict a stock's adjusted closing price with an accuracy of 93%

### Smart Focus: Pomodoro Timer - 1st place at Apps by Teens Hackathon 2020 (1/16)

- Time management mobile app based on the Pomodoro technique to help students study efficiently
- Built in Android Studio using Dart and the Flutter UI toolkit
- Utilized async functions and maps to send data between screens and to allow the user to customize their study intervals

### Art Portfolio Website

- Art portfolio website for a client built with HTML, CSS, and Javascript to showcase their projects and attract new customers
- Utilized media queries to ensure a responsive and visually appealing user interface
- Incorporated modals to increase user interaction

## Experience

### Parliament Member Campaign

VOLUNTEER

- Led my group to journey door to door and give presentations about the Parliament Member's campaign and their plans for the future
- Planned routes and delegated roles for group members to ensure the necessary neighbourhoods will be visited efficiently and on time
- Recorded and managed data on any interest or feedback in order to determine which neighbourhoods will be the most likely to support and should be visited again in the future

*Toronto, ON*

*Summer 2019*

### Moen

DISTRIBUTION ASSOCIATE

- Unloaded, scanned, sorted, and transported products to their specified locations
- Completed order picking with required shape, size, and quantity accurately

*Oakville, ON*

*Summer 2018*

## Additional Info

### Extended French Certificate

Met the requirements of the Ministry of Education by completing seven credits in Extended French

### CFI Accounting Fundamentals Certificate

<https://tinyurl.com/y9bc4f58>

### Interests

Basketball, Snowboarding, Stock Trading, Machine Learning, Artificial Intelligence