

# Andrew Xue

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## SUMMARY

Experienced programmer with a proficient knowledge in many languages (Python, Javascript, Swift ...) and a deep understanding of algorithms and data structures.

## EXPERIENCE

Vice-President, Earl Haig Secondary School Programming Club, 10/2019 - 06/2020  
Toronto, ON

- Performed lectures on advanced data structures and algorithms relevant to competitive programming to prepare for the CCC, DMPG, and ECOO.
- Held and recommended contests for club members.
- Increased club size by over 100% through advertisement and club events.

Gift Shop Manager, Carefree Lodge, 08/2017 - 09/2018  
Toronto, ON

- Maintained store inventory and float through use of the record system.
- Handled personal requests from residents.
- Advertised special events and promotions

## PROJECTS

Oracle

- Fully functional music player made for MacOS using Swift.
- Ability to evaluate the user's tone using IBM Watson Tone Analyzer and recommends a list of songs to match the user's mood
- Uses HTTP Requests to interact with multiple Web APIs to retrieve information

Present Worthy

- Web application made using Node.js to match a picture of a present to several categories in order to determine 'worthiness'
- Uses Google Cloud's Vision API to label pictures and Apify to web-scrape for suitable Amazon items

## EDUCATION

High School Diploma, Earl Haig Secondary School, 06/2020

- 2020 Canadian Computing Olympiad bronze medalist
- 2020 Canadian Computing Competition 99th percentile

Bachelor of Computer Science, University of Waterloo, Expected 06/2025

- President's Scholarship of Distinction (\$2000)
- Faculty of Mathematics Entrance Scholarship (\$8000)