



# Andi Xiong

## Computer Engineering Student

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### TECHNICAL SKILLS

#### Computer

- Java
- MATLAB
- Microsoft Office
- SolidWorks
- Assembly
- C

#### Electrical Equipment

- Microcontroller
- Oscilloscope
- Signal Generator
- Multimeter
- Breadboard

#### Certifications

- BC Class 7 Driver's License
- First Aid and CPR

### EDUCATION

#### University of British Columbia

Expected May, 2022

#### *Bachelor of Applied Science – Computer Engineering*

Completed 2/8 academic terms.

Co-op: Completed 0/5 work terms; Available 4 or 8 months beginning May 2019.

### TECHNICAL PROJECTS

#### Sentiment Analysis of Text Documents (UBC)

September, 2018

- Utilized Microsoft's Azure Cognitive Services to write a Java program that calculates the sentiment of a given text document
- Developed an algorithm with a fellow student that can group documents by word choice and sentiment similarity, enabling prediction of the author given a large set of documents

#### Retrieval Claw (UBC)

January, 2018

- Designed and built a semi-autonomous retrieval claw with five peers using Arduino, and integrated sensors so the robot can pick up objects of various sizes
- Delegated tasks to team members so everyone can work on things they are passionate about while maximizing time and resources
- Completed an accurate and detailed engineering drawing of the claw using SolidWorks to better present our design

### WORK EXPERIENCE

#### Mathnasium of North Vancouver (North Vancouver, BC)

June, 2018 – Present

#### *High School Instructor*

- Developed supervisory skills while giving instructional sessions to multiple students concurrently to encourage positive learning environment
- Communicated with center director and other instructors regarding students' progress in order to facilitate student learning and keep the parents informed

### AWARDS

UBC Engineering Entrance Scholarship

2017

UBC Tuum Est Award

2017

### ACTIVITIES AND INTERESTS

- Associated Board of the Royal Schools of Music (ABRSM), Music Performance Diplomas (DipABRSM) piano
- Royal Conservatory of Music (RCM), RCM grade 10 piano
- Sports – Badminton, swimming