

4B Honors **Computer Science**  
With **Combinatorics and  
Optimization** minor  
(xxxxxxx)

My address

Phone Number

[Email](#)

Github

## Skills

### Languages

- ❖ C / C++
- ❖ Java
- ❖ Racket
- ❖ Bash
- ❖ MIPS
- ❖ HTML, CSS, and JavaScript
- ❖ VBA & Selenium

### Technologies

- ❖ Git
- ❖ Angular
- ❖ MongoDB/ShareDB
- ❖ DynamoDB
- ❖ Rest and SOAP API
- ❖ SQL
- ❖ Salesforce Development

### Communication

- ❖ English (Proficient)
- ❖ French (Proficient)
- ❖ Chinese (Proficient)

## Education

### 2016 – Present

- ❖ Bachelor of Computer Science at University of Waterloo (With declared Combinatorics and Optimization Minor)

### 2014 - 2016

- ❖ DEC and IB diplomas of College Studies at CEGEP Jean-de-Brebeuf (Distinction Award)

## Interests

- ❖ Veteran badminton player
- ❖ Experienced violin player
- ❖ Taekwondo practitioner
- ❖ Amateur singer
- ❖ Expert Resume Sharer

# Yang Xiang

(Graduating in August 2020)

## Work Experiences

*Present*

### Intern as Software Developer Engineer at Amazon

- ❖ Designed NO-SQL schema for a preexisting relational SQL database for improved scaling, performance, and ease of maintenance
- ❖ Wrote detailed tech specs and documentation on the new schema migration
- ❖ Working on the migration of a Ledger service (written in Python) to a DynamoDB NO-SQL database in a Broker service in Java

*September 2018 – December 2018*

### Intern as Full-Stack Web Developer at Varian Medical System

- ❖ Created from scratch of a medical task management system with yFiles libraries for Graphics UI (TypeScript, Angular, and Node.js)
- ❖ Integrated an online real-time synchronization feature using ShareDB library services in a client-server model using operational transformation
- ❖ Led the backend design of a graphics scheduler program

*January 2018 – April 2018*

### Intern as Software Developer at TD Bank Wealth

- ❖ Integrated Salesforce Web Services to Java as a platform to access REST and SOQL APIs
- ❖ Helped manage source code deployment and automation via Jenkins, Git, and Salesforce DX
- ❖ Implemented multiples flows that manage user permission within the Salesforce domain

## Relevant Projects

*January 2019 – March 2019*

### Picture browsing App (Android)

- ❖ Developed from scratch an image browsing app in Android using MVC model and java
- ❖ Integrated Portrait and Landscape layout using in-built functionalities in Android Studio

*January 2019 – February 2019*

### Pixel and Shapes Paint Program

- ❖ Developed from scratch a graphic editing tool using basic libraries Swing and AWT in Java in an MVC model
- ❖ Added shape drawing with instant visual feedback, color and font editing
- ❖ Integrated customized Marking Menus for faster popup menus

*July 2017 – December 2017*

### Sorcery Card Game

- ❖ Created a monster and magic card game implemented with ASCII arts
- ❖ Implemented a decorator design pattern for equipment cards
- ❖ Made use of an observer design pattern for trigger monitoring

## Awards

- ❖ RSEQ badminton regional champion (2015-2016)
- ❖ Violin level 4 (2015)
- ❖ Master Seaman Achievement at Royal Canadian Sea Cadets (2015)
- ❖ Placed 3<sup>rd</sup> at the regional Taekwondo tournament (2015)