

# Sat Arora

## Computer Science Student

Avid problem-solver and leader with a passion for software engineering, mathematics and business management.

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📍 Waterloo, ON

🐙 github.com/sa35577

## EDUCATION

### Bachelor of Computer Science (BCS) University of Waterloo

09/2021 - Present

Waterloo, ON

## EXPERIENCE

### Administrator Anup Trading Ltd.

09/2017 - 08/2021

Windsor, ON

Anup Trading Ltd. is a wholesale business mainly focused on selling different types of merchandise to convenience stores across Canada.

#### Achievements/Tasks

- Oversaw all purchase and sales transactions, and made frequent changes to the company's system
- Worked with **Microsoft Office** and **Quickbooks** to compress information for financial summaries per fiscal period
- Acted as a **Sales Representative** on occasion

### Computer Science Club Leader Vincent Massey Secondary School

09/2020 - 06/2021

Windsor, ON

#### Achievements/Tasks

- Lectured programming topics such as **dynamic programming**, **data structures**, and **graph theory**
- Assisted students with individual problems that were assigned at weekly meetings
- Organized several programming contests, which involved making questions and answering clarifications

### Science Olympics Club Leader Vincent Massey Secondary School

09/2020 - 06/2021

Windsor, ON

#### Achievements/Tasks

- Prepared weekly events to expose participants in the different aspects of STEM
- Selected participants to represent the school at regional competitions, with **two winning teams** as a result
- Organized interviews with promising club members to find suitable candidates for future club leaders

### Computer Science Club Class Representative University of Waterloo

09/2021 - Present

Waterloo, ON

#### Achievements/Tasks

- Represented the Class of 2026 as a **Program Committee Member** on the CSC
- Participated in weekly brainstorm sessions to develop the **first CS Class Profile** for the Class of 2022
- Reached out to previous Class Profile creators for other programs to gain insight on the large process of creating and managing a Class Profile

## SKILLS

Python

Java

C/C++

JavaScript

HTML/CSS

C#

Racket

Coq

SQL

Firebase

Unity

Microsoft Office Suite

Public Speaking

Financial Analysis

Mathematical Problem-Solving

## PERSONAL PROJECTS

### Dropcase: Broadening Horizons - The GoldenHack 3.0 Winner (09/2021) [🔗](#)

- Presented a case study for a financial solution for Dropbase
- Used **Python** and **Figma** to create a model to display the effectiveness of our solution

### FocusCord - Hack the North (09/2021) [🔗](#)

- Worked with **Vue.js** to create a front-end for an application that creates custom profiles for Discord notifications on Do Not Disturb
- This ran on **Electron** to serve the app and used **Node.js** on the backend to get notification triggers

### RPG Game Creator & Player (03/2020 - 06/2020) [🔗](#)

- Used **object-oriented programming** to create a UI for users to build top-down or platform style games with custom enemies, objects, and storylines
- Programmed using **Java**, working specifically with **Swing** and **AWT** libraries

### Aortta - Hack the North (01/2021) [🔗](#)

- Worked with **Node.js** and **React.js** to create a central messaging system web application
- Loaded up user data to **Cockroach DB** for profiles as well as authentication, which used **SQL** for database management

### Competitive Programming (09/2018 - 06/2021) [🔗](#)

- Solved hundreds of competitive programming problems of difficulty up to IOI-level problems, primarily using **C++** and **Python**
- Reached **top 100** on rankings by points on DMOJ before inactivity

## DISTINCTIONS

### René Descartes National Scholarship (\$20,000)

Scholarship offered to ~10 students entering the Faculty of Mathematics at the University of Waterloo.

### Canadian Senior Mathematics Contest - Distinguished Honour Roll (11/2020)

Placed 22nd internationally out of 9928 contestants; top-ranked participant in the Windsor-Essex county.

### Canadian Computing Competition - Honour Roll (02/2020)

Placed 115th internationally out of 2827 contestants.

### Canada Math Camp - Invitee (07/2019)

One of ~15 students across Canada chosen to intensively prepare for the Canadian Math Olympiad at a week-long math camp at the University of Toronto.

### Clubs, Services, and Activities Award - Vincent Massey Secondary School (06/2021)