

SAT ARORA

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SKILLS

Languages: C++, Java, Python, HTML/CSS, JavaScript, SQL, C#, C, LaTeX

Technologies: Vue.js, React.js, Firebase, Bootstrap, Node.js, Git, MongoDB

EXPERIENCE

Senior Leader

September 2020 – June 2021

Vincent Massey Computer Science Club

Windsor, ON

- Gave **weekly lectures** on programming topics such as **dynamic programming**, **data structures**, and **graph theory**
- Assisted students with conceptual and case-specific problems, many which required visualizing graphs & trees
- **Organized** programming contests, which involved creating & testing original problems with clever solutions

PROJECTS

FocusCord | [HTML](#), [CSS](#), [Vue.js](#), [Node.js](#), [Electron](#) 🔗

September 2021

- Designed a front-end for an application that creates custom "Do Not Disturb" profiles for Discord notifications
- The back-end data management allowed for **multiple active profiles** with a priority system to resemble real-world usage

RPG Game Creator & Player | [Java](#), [Swing](#), [AWT](#) 🔗

March 2020 – June 2020

- Used **object-oriented programming** to create a user interface to build top-down or platform style games with custom enemies, objects, and story lines
- Game progress and build data was saved using **serialization** and recoverable from the main menu

Dropcase: Broadening Horizons | [Python](#), [Figma](#), [Pandas](#), [HTML](#), [CSS](#) 🔗

October 2021

- **Project winner** at The GoldenHack 3.0
- Came up with a financial solution for a case study done on Dropbase, which involved a token system based on a mathematical model to incentivize a user to continuously run their services
- Presented a graphic model that would yield a **75% profit margin** on average with relatively low risk

Aorta | [HTML](#), [CSS](#), [React.js](#), [Node.js](#), [SQL](#) 🔗

January 2021

- Created a baseline for an all-in-one messaging system for applications such as MS Teams and Slack
- Handled **2FA** with user data stored in **Cockroach DB** and 6-digit code sent via the **Vonage API**
- Held all account information for messaging apps in the database to prevent repetitive sign-ins

COMMUNITY & LEADERSHIP

Administrator

September 2017 – Present

Anup Trading Ltd.

Windsor, ON

- 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** in the wholesale department

Class Representative

September 2021 – Present

UW Computer Science Club

Waterloo, ON

- 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
- Maintained connections with the UW Math Society to **raise issues** and **implement change** in specific courses

EDUCATION

University of Waterloo

September 2021 - April 2026

Candidate for Bachelor's of Computer Science

GPA: 3.98 (94.4%)

- Awarded the **René Descartes National Scholarship (\$20000)**, which is offered to **15** students

Interests: Mathematics, Financial Analysis, Competitive Programming, Chess, Biking, Swimming