

# David Jiang

Website: [dvdoso.github.io/portfolio-website/](https://dvdoso.github.io/portfolio-website/)



## Professional Summary

A Computer Science student at the University of Waterloo possessing excellent problem-solving, coding, and mathematical skills along with exceptional analytical and logical thinking abilities. Shows excellent communication and leadership in three languages, and has a detail-oriented attitude that strives for excellence in all work. Has a natural ability to grasp new concepts quickly and is eager to accept challenges while being flexible in various situations.

## Skills

- **Coding:** Python (Numpy, Pygame), Java, C, C++ (solved nearly 500 competitive programming problems), Git, SQL, HTML, CSS, SCSS, Bootstrap, Tailwind, JS, TS, React.js, SvelteKit, Google Firebase, SQLite, Vite
- **Tools:** [GitHub](#), VSCode, Adobe Photoshop, Adobe Premiere Pro, Krita, Canva, Microsoft Office Programs, Google Drive Programs
- **Problem solving:** [DMOJ](#) Expert Rank, [LeetCode](#)
- **Highly commended design abilities:** UI/UX, digital art, poster/promotional media making
- Proficient in English, Mandarin, and French
- Exceptionally fast learner
- Proven leadership and teamwork results
- Excellent verbal and written communication
- Reliable and responsible under high stress

## Experience

Coding Club President – *St. Robert Catholic High School, Thornhill, ON*

October 2021 - June 2024

- Taught Python and prepared material for up to 40 high school students
- Organized and hosted multiple coding competitions for our school community
- Prepared students with limited or no coding experience for the Canadian Computing Competition

C++ and Web Development Course Designer and Instructor – *Toronto Internationally Educated Individuals Association, Markham, ON*

July 2022 - August 2022 & July 2023 - August 2023

- Taught C++ and web design to a group of students between the ages of 10-15 across North America
- Created all class material and homework for students

Python, Photoshop, Game Design, and Web Development Teacher Assistant – *Three-Flavors Kids' Club, Richmond Hill, ON*

July 2022 & July 2023

- Helped Computer Camp counselors with organizing their responsibilities and lessons
- Assisted more than 40 campers between the ages of 9-12 with their class work

## FIRST Robotics Team Programmer – *Ram's Robotics, Thornhill, ON*

May 2023 - February 2024

- Programmed movement, vision, sensors, and game strategies for robot
- Team won first place in two qualifying competitions and placed second in the provincial competition

## Private IB French Tutor – *Markham, ON*

October 2023 - May 2024

- Supported student by enriching understanding of IB curriculum concepts
- Taught techniques and tricks to excel on International Baccalaureate French exams

## Honours and Accomplishments

### Canadian Computing Competition (CCC) Top 5% Globally

- Scored higher than 95% of all contestants globally in the CCC hosted by the University of Waterloo

### Math Competitions

- Placed within the top quartile out of all contestants in the Pascal, Fermat, Caley, Galois, Canadian Senior Mathematics Competition, and Euclid competitions hosted by the University of Waterloo
- Invited to Math Bootcamp for performance on the Pascal Contest at York University

### French Qualifications

- Diplôme d'études en langue française (DELF) level B2
- Toronto Universities' French Contest second place prize in the Core French Plus category

### United States of America Computing Olympiad (USACO) – Silver Division

### Awards

- Leadership in Computer Technology award (2024)
- IB Balanced Learner Profile Award (2024)
- Highest mark in IB Physics (2023, 2024)

## Education

### University of Waterloo – *200 University Ave. West, Waterloo, ON*

September 2024 - Present

- Honours computer science co-op program

### St. Robert Catholic High School – *8101 Leslie St, Thornhill, ON*

September 2020 - May 2024

- Top performing International Baccalaureate (IB) diploma graduate
  - Achieved 42/45 diploma points, global average is 30/45
  - Grade average of 97%
- Awarded the Leadership in Computer Technology award in graduation ceremony for efforts in coding club