

# GIA DUONG

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## EDUCATION

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**Etobicoke Collegiate Institute** (*Expected Graduation June, 2024*)

**Etobicoke, Toronto, ON**

- **Relevant Coursework:** Advance Function (MHF4U), Calculus (MCV4U), Computer Science (ICS4U)
- **Certificate:** Certificate in Conflict Resolution (*December 2021*)

## LEADERSHIP EXPERIENCE

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**Student Administrative Council**

**Etobicoke Collegiate Institute**

*Vice President*

*September 2023 - On going*

- Represent the student body at the school district, civic events, and other meetings as requested by the president.
- Helping to strengthen the relationship between the committee members and school students, inspiring and encouraging them to achieve the club/society's agreed goals.

**Computing Club**

**Etobicoke Collegiate Institute**

*Founder*

*September 2022 - On going (2 years)*

- Initiated and successfully founded the ECI ComSci Society Club, promoting technology education and creating a supportive learning environment.
- Collaborating with executive team members to organize competitive programming challenges, execute weekly meetings, and provide extra help on programming.

**Yearbook**

**Etobicoke Collegiate Institute**

*Head of Layout & Design*

*October 2022 - On going (2 years)*

- Led the layout and design team in the creation and production of the school yearbook, ensuring a high-quality and visually appealing final product.
- Proficiently using graphic design software (Adobe Photoshop and InDesign) to create and edit page layouts, graphics, and typography.

## VOLUNTEER ACTIVITIES

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**Computer Science Grade 12 (ICS4U)**

**Etobicoke Collegiate Institute**

*Teacher Assistant*

*October 2023 – On going*

- Collaborating with the teacher to facilitate classroom activities, clarify concepts, and provide real-world examples to enhance students' understanding of Java programming.
- Mentoring students in project development, sharing insights and strategies to help them successfully complete their Java programming projects.

**International Student Association**

**Etobicoke Collegiate Institute**

*Mentor for International Student*

*October 2022 – June 2023*

- Providing information and assistance during the initial orientation period for international students.
- Pairing with international students as an experienced mentor, who can offer guidance and support.

## PROJECTS

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**T-Rex Game (using Java)**

*June 2023*

- Input: Prompt for user name, password, email (optional). Processing: Calculating position of players to avoid detect collision. Output: Display user's current score, highest score, and all users' scores as top 10 ranking from highest to lowest.
- Gaining experiences in handling user input for various data fields, as well as data structures and algorithms by storing and managing user scores for the game.

**The Escape Animation (using Python)**

*June 2022*

- Using graphics libraries and modules, including Pygame, to create animations, draw shapes, and incorporate visual effects into animations, as well as understanding the frame rate and timing in animations, ensuring smooth and visually appealing.
- Applying mathematical concepts like transformations, and trigonometry to precisely control object position, rotation, and scaling in animations.