




# Tristan Guinto

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## Skills

### Java

- Knowledge of Algorithms, Data Structures, and Object-Orientated Language
- Numerous Projects including Data Structures, Queues, Graphics, and Sound
- Proficient in the process of analyzing, designing, testing, and debugging programs

### C++

- Designing and Implementing functions and elementary input and output processes
- Multiple programs including pictures, data management, and directories
- Basic understanding of C++ fundamentals and processing

### Python

- Primary knowledge of data structures and function processes
- Basic programs including python data extraction from websites

### SQL

- Knowledge of designing and implementing tables, constraints, and queries
- Collaborated and designed a large project including multiple relations and relationships

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## Academic Projects

### Canada Games Chatbot Project

2022

With a large group of peers, a Chatbot application was made using a variety of languages. The Agile process was used to plan and implement user requirements. A Mongo dB database, python script, and React app was used for a tokenized chatbot application.

### Chess Project

2020

Through a partnership with a fellow peer, a chess project was completed using java. A player vs. AI was completed with a user graphic interface. Through several algorithms such as mini-max and alpha beta.

### Asteroids Remake Game

2020

A retro Asteroid remake made originally made for the Atari was finished using glut/openGL based on C and C++. The game's physics allows for momentum, drag, rotation, and a user graphic interface.

### Neural Network for Person Quantity

2020

A neural network was developed for determining the number of people in a frame based on infrared radiation values. Some algorithms that were used were a feed-forward structure, back propagation, and logistic/activation functions. This was based on Java.

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## Education

SEPT. 2018 - 2023

**Honours Bachelor of Science – Computer Science**

**Minor in Mathematics**

**Brock University, St. Catharines, Ontario**

Brock Entrance Scholarship, 2018

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## Experience

2018 – PRESENT

### **Server / Hard Rock Café**

- Professionally greet guests and ensure timely response to seating reservations and walk-ins
- Endure and excel in high-paced environments and stressful situations
- Collaborate with co-workers to multi-task competing priorities to ensure timely and exceptional customer service standards are met

2017 – 2018

### **Busser / Grand Café**

- Assure a hygienic environment by organizing and cleaning tables, dishes, and silverware
- Comply and cooperate with customers and team members
- Maintain and preserve industry standards and policies

2016 – 2017

### **Waterpark Attendant / Great Wolf Lodge**

- Initiate conversations and professionally inform of safety procedures
- Guest safety, float count, and ride maintenance standards are carefully regulated
- Ensure a hospitable environment

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## Honors and Awards

### **Brock Scholars Award**

2018

The Brock Scholars Award is received through diligence, effort, and intelligence. Scholars with a minimum average of 80% may receive this award.

### **Mendez Scholarship**

2018

A tribute towards the deceased Mendez, annually given towards respected individuals in their profession. It is a reward given towards hardworking and focused Filipino Scholars.

### **Gauss Proficiency Award**

2013

Given towards those with great degree of mathematical problem-solving ability.