

# PAULO GUERRERO

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## EDUCATION

### University of Toronto

Expected June 2024

- Honour's Bachelor of Science – Computer Science & Economics Double Major, Statistics Minor
- **Relevant Courses:** Computer Networks, Introduction to Databases, Data Structures and Algorithms, Computer Organization, Software Tools and Systems Programming, Software Design
- **Activities:** Computer Science Students Union, Canadian Asian Student Society, Woodsworth Mentors

## TECHNICAL SKILLS

- **Languages:** Python, Java, C#, MySQL, HTML, CSS, C/C++
- **Technologies:** Kafka, Git, AWS, Azure, .NET, SpecFlow, Flask, Spring Boot, Swing

## WORK EXPERIENCE

### Ceridian

May 2022 to December 2022

*Software Developer Intern – Toronto Ontario*

- Developed new **3 RESTful API** endpoints and **2 Kafka** events using **C#** and the **.NET** framework
- Conducted bug triage and implemented fixes for critical bugs in the API found by automation tests and clients
- Triage and fixed a database **concurrency bug** in the API that was rated **high severity** by a **major client**
- Built **Specflow** testing framework in **C#** to support the expansion of automation testing coverage for the new **Kafka Events Driven System** initiative
- Participated in **code reviews** and performed extensive testing to ensure high quality software and code design
- Provided mentorship and guidance to a junior intern; helping them with onboarding, learning the codebase, ceremonies and workflows, and general questions

### Ceridian

May 2021 to December 2021

*Solutions Advisory Intern – Toronto Ontario*

- Provided **technical solutions support** to 20+ solutions advisors to meet the unique needs of clients
- Wrote and refactored several **SQL scripts** to automate demo instance maintenance, reducing maintenance time from 6 hours to 30 minutes per week
- Actively participated in critical sales opportunities, including research, technical support, demo configuration, and client facing meetings, resulting in 4 successful sales

## PROJECTS

### Toronto 8 Ball | Python, HTML, CSS, MySQL

- Developed a web application that recommends Toronto based activities tailored to the user based on survey questions and peer behaviour
- Used **Selenium** to scrape data from various websites, such as Yelp, to generate a database of activities
- Recommendations are generated using a collaborative filtering and content-based hybrid recommendation system with a satisfaction rate of **77%**

### Tamagotchi Parody | Java, MySQL

- CLI Tomagotchi-esque game with graphics that allows users to log in, buy and trade pets, interact with pets, and compete for spots on a global leaderboard
- Coordinated with a team of 7 students to develop a product roadmap, outline design specifications, implement new features, and utilize design patterns while following the rules of clean architecture

### Web Server | C++

- Developed a simple HTTP web server from scratch that was used to host my personal website