

# Ross Enriquez

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## Education

### B.Eng., Computer Engineering, Toronto Metropolitan University

Expected Graduation: May 2025

• **Academic Honors:** Dean's List (2019 - 2023)

Major CGPA: 4.22/4.33

• **Relevant Courses:** Software Design and Architecture, Operating Systems, Database Systems, Data Structures and Algorithms, Object-Oriented Eng Analysis and Design, and Software Systems.

• **Certifications:** [IEEE Software Fundamentals Series](#)

## Skills

**Languages/Tools:** Java, Python, Typescript, HTML, JavaScript, C, SQL; Grafana, Graylog, Firebase, MongoDB, Next.js, React.js, Figma, Google Apps Script, Elasticsearch, JIRA, Docker, Kubernetes, discord.py, Git, Gitlab

## Work Experience

### Software Developer Intern

May 2023 - Present

*Environment and Climate Change Canada*

North York, ON

- Implemented 60+ new features in **Java** and developed 50+ **JUnit** tests for mission-critical projects
- Maintained the storage of 30+ system taxonomies using **SQL** queries on **Oracle** and **PostgreSQL** databases
- Performed maintenance and validation on 20+ components using **Grafana**, **Graylog**, and **Jenkins**, resulting in a 10% decrease in occurrences of component errors
- Assisted in the design and agile development of a new component that utilized **Elasticsearch** for performing XML payload searches, resulting in a 20% increase in efficiency of issue identification by clients
- Participated in 100+ code reviews that ensured system scalability, quality, and maintainability

### Software Developer

May 2023 - May 2024

*MethHacks*

Toronto, ON

- Developed a community Discord bot using **discord.py** that managed 200+ discord users for MethHacks 2024
- Developed a web app for admins that managed 200+ participant applications using **React** and **Firebase**, and automated the applicant acceptance process resulting in a 50% increase in efficiency from manual methods

### IT & Help Desk Assistant

Aug 2022 - Apr 2023

*Toronto Metropolitan University (TMU)*

Toronto, ON

- Developed scripts using **Google Apps Script** that automated emails sent for information about critical elevators
- Improved response times for service updates on the school's website by 15%

### Pinterest Engage Scholar

Jun 2022 - Aug 2022

*Pinterest*

San Francisco, CA (Remote)

- Selected as 1 of 43 recipients to engage in fundamental software engineering skills development workshops
- Attended weekly meetings guided by a mentor to improve technical and interpersonal skills in software engineering

## Projects

### Volleyball Drop-In Scheduler Bot - Python, discord.py, Firebase, Heroku

[Github](#)

- Developed a community Discord bot deployed on **Heroku** using **discord.py** and **Firebase**
- Manages 50+ users and automates volleyball court selections, bookings, and event reminders
- Implemented 10+ commands for displaying volleyball statistics and controlling automations, resulting in a 50% increase in efficiency from manual methods

### Bookstore Application - Java, JavaFX, Visual Paradigm

[Github](#)

- Collaborated with 3 students to develop an app using **Java** and **JavaFX** that stores and manages bookstore inventory that supported functionality for admins and customers
- Designed the system architecture and use case diagrams with UML using **Visual Paradigm**
- Designed and developed the book menu scene for the customers and Java classes required from the class diagram

### INDILATOR - TypeScript, NextJS, MongoDB

[Github](#)

- Collaborated with 3 students to develop a web app using **Next.js** and **MongoDB** that translates 34+ words between English and 3 other Indigenous languages
- Designed a user-friendly UX/UI and implemented front-end functionalities using **ChakraUI** components
- Won 2nd place at the 2021 Ryerson Engineering Competition