

Lorena Rosati

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SKILLS

Languages: JavaScript, C++, PHP, SQL, Java, Python, HTML, CSS

Tools and Frameworks: Git, Github, React.js, PostgreSQL, Firebase, Tailwind CSS, MS Office, JPanel

EDUCATION

University of Waterloo

Sep 2022 - Apr 2027

Candidate for B.ASc. in Honours Computer Engineering

- *Relevant courses:* Fundamentals of Programming (C++)

EXPERIENCE

Software Developer, Caribou Contests Inc

May 2023 - Present

- Spearheading the refactoring of the entire codebase in **PHP** and **JavaScript**, ensuring compatibility with our translation system for **40+ files** and providing site accessibility for students in **30+** countries
- Automated the validation process for contest question translations using PHP and **SQL** to ensure the completeness of translations while identifying and resolving **20+ bugs** with existing code

STEMing UP Program Coordinator, hEr VOLUTION

Jul 2022 - Aug 2022

- Led the delivery of a summer program for underrepresented genders in STEM with **20+** participants
- Conceptualized and presented all program materials to **50+** partner company representatives from Shopify, students, and coworkers, resulting in **four** business pitches executed by students
- Consistently communicated with **30+** industry professional program coaches through weekly meetings and daily communication through Slack for successful program delivery

Math Instructor, Mathnasium

Sep 2020 - Aug 2022

- Taught up to **3 students concurrently** on their individualized math curricula
- Devised and tailored custom learning strategies for each student and implemented them while working with other tutees, marking assessments, and periodically checking for student understanding

Head of Service, PERIOD Ontario

Aug 2020 - Jun 2022

- Spearheaded the planning and execution of **three events** while delegating specific tasks to organization members, garnering **3500+** menstrual products for menstruators in need
- Supervised and led a campaign alongside a child well-being agency to provide menstrual products to Indigenous youth in Northern Ontario, which raised **\$1200+**

PROJECTS

Spotify Artist Data Exploration | SQL, PostgreSQL

June 2023

- Conducted **cleaning** and **analysis** on a dataset of an artist's discography (**450+ songs**) to determine conclusions regarding key metrics that contribute to a song/album's success

REACTIVE To-Do App | JavaScript, React.js, Firebase, Tailwind CSS

Dec 2022

- Created a dynamic to-do list app with **CRUD functionality** (create, read, update, and delete) that stores user data using **Firestore** database software

Crypto Price App | JavaScript, React.js, CSS

Nov 2022

- Developed a responsive Crypto Price App where users can search for coins and their information
- Utilized **Axios** for **real-time** data retrieval of **100** coins from the **CoinStats API**

ByteLife | Java, JPanel

Jun 2022

- Created an **object-oriented** life simulation game, rendered using **JPanel** graphics
- Applied principles such as inheritance and polymorphism to enable the user to make customized choices at each age which alters their personal statistics and corresponding risk of death