

RAMONITO COPREROS JR.

✉ rcoprerosjr@gmail.com

☎ 647-674-8732

🌐 rcoprerosjr

🔗 rcopjr

EXPERIENCE

Audioworks Technologies | Web & Mobile Developer

📅 May 2023 – Aug 2023 📍 Mississauga, ON

- Engineered a robust asynchronous pagination solution using **React Native** and **RTK Query** for song queues, allowing support for "infinite song feeds" and optimizing music player performance
- Utilized **React Native Track Player** to add scrubbing, shuffle/repeat, and remote controls, to the mobile song player and the **Context API** for handling queue state across the app
- Created UI and API updates in **React/React Native** and **tsoa Express** for components such as profile editing modals, messaging screens, and expanded music player views

Verticscope | Software Engineer Intern

📅 Sep 2022 – Dec 2022 📍 Toronto, ON

- Contributed to a POC for **decoupling** multiple sites by creating custom **JavaScript API** endpoints using **Strapi's CMS** with **GCP** buckets, improving organization/maintainability
- Created site element visibility toggle using cookies and **PHP**, enabling experiments for **optimizing ad ROI**
- Wrote end-to-end tests in **Cypress**

Kaleidescape | Software Engineer Intern

📅 Sep 2020 – Dec 2020 📍 Waterloo, ON

- Utilized **JavaScript** and **HTML/CSS** to develop and improve dynamic user interfaces across multiple pages
- Updated relational databases and APIs using **SQL** migration scripts and **PHP** to implement backend and data changes

PerkinElmer | Machine Learning Engineer Intern

📅 Jan 2022 – April 2022 📍 Waterloo, ON

- Led integration of transfer learning within a project using **PyTorch**, a necessity for achieving incremental learning

Applied Brain Research | Deep Learning Developer Intern

📅 May 2021 – Aug 2021 📍 Waterloo, ON

- Spearheaded the end-to-end machine learning development of auto-encoders using **Keras**, for trajectory prediction

Fugro | Software Developer Intern

📅 Jan 2020 – May 2020 📍 Mississauga, ON

- Deployed a pre-trained **PyTorch** model in **C++**, replacing the use of **CNTK** and optimizing inference time by **78%**
- Optimized coordinate extraction algorithm in **C++** to operate on images asynchronously, improving efficiency by **33%**

EDUCATION

BASc. Mechatronics Engineering

📅 2024 📍 University of Waterloo

Web Development Courses

📅 2022 📍 Udemy

SKILLS

Typescript JavaScript Python

SQL PHP HTML CSS

React Native React.js Express.js

Node.js Cypress.io MongoDB

Flask Django GCP Git

PROJECTS

🔗 workout-tracker

ReactJS ExpressJS NodeJS MongoDB

- Developing a full-stack **MERN** web application for creating workout plans
- Constructing components with **React**, **Headless UI**, and **Tailwind** based off the UI design of a popular workout app
- Managing server state with **React Query**
- Building **REST APIs** with **Express** and storing data in **NoSQL** databases

🔗 TempoTapper (Capstone Project)

ReactJS ExpressJS NodeJS Arduino

- Created a **wearable** with a **React** interface for helping musicians ergonomically practice rhythms and songs

🔗 recipe-finder

ReactJS ExpressJS NodeJS

- Built a website with an **Express** middleware and **React** frontend, utilizing the **spoonacular API** for finding recipes
- Achieved responsive components using **React** and the **Material-UI** library to display recipes and filters