Ramonito Copreros Jr.

rcoprerosjr@gmail.com   647-674-8732   rcjr.vercel.app   🔗 rcoprerosjr   🐙 rcopjr

Experience

Audioworks   May – Aug 2023
Web & Mobile Developer Intern

- Engineered an asynchronous pagination solution using React Native and RTK Query to integrate our mobile music player with user song feeds, creating a seamless user experience
- Enhanced the mobile song player with scrubbing, shuffle/repeat, and remote controls; leveraged the React Context API for queue state management across the app
- Implemented UI and API updates using React, React Native and tsoa Express for components such as profile editing modals, messaging screens, and expanded music player views

Verticalscope   Sep – Dec 2022
Software Engineer Intern

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

Kaleidescape   Sep – Dec 2020
Software Engineer Intern

- Utilized JavaScript and HTML5/CSS3 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   Jan – April 2022
Machine Learning Engineer Intern

- Led integration of transfer learning in a model using PyTorch and Python, a necessity for achieving incremental learning

Applied Brain Research   May – Aug 2021
Deep Learning Developer Intern

- Spearheaded the end-to-end development of autoencoders using Keras and Python for trajectory prediction

Fugro   Jan – May 2020
Software Developer Intern

- 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

University of Waterloo   2024
BASc. in Mechatronics Engineering

Udemy   2022
Web Development Courses

Skills

TypeScript JavaScript Python SQL PHP HTML5 CSS3 Git React.js React Native Next.js Tailwind CSS Node.js Express.js Cypress.io MongoDB GCP

Projects

🐙 workout-tracker

React.js Express.js Node.js MongoDB

- Developing a full-stack MERN web application for managing workout plans
- Constructing components with React, Headless UI, and Tailwind CSS, inspired by the UI/UX of a popular workout app
- Building RESTful APIs with Express and storing data in NoSQL databases

🐙 recipe-finder

React.js Express.js Node.js

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

🐙 personal-site

React.js Next.js Tailwind CSS

- A Next.js app built to showcase my work and refine my UI skills, with a focus on high performance, accessibility, aesthetics and interaction design