

Ramonito Copreros Jr.

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 rcoprerosjr

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Experience

Full Stack Developer Intern

May – Aug 2023

Audioworks

- Enhanced our app's music player with playback and queue features on par with top music streaming platforms like Spotify
- Utilized the React Context API and RTK Query for efficient, app-wide management of user song queues
- Engineered asynchronous integration of our music player with paginated song feeds, delivering a robust and seamless UX
- Developed and upgraded UI components and APIs for pro-file editing modals, messaging screens, and expanded music player views using React, React Native and tsoa Express

Software Engineer Intern

Sep – Dec 2022

Verticalscope

- Developed custom JavaScript APIs and integrated Strapi CMS with Google Cloud Platform storage to support a PoC that decoupled four high-traffic websites, enhancing scalability, organization, and maintainability
- Created a site element visibility toggle using cookies and PHP, enabling A/B testing and enhancing ad ROI optimization
- Authored end-to-end tests in Cypress

Deep Learning Developer Intern

May – Aug 2021

Applied Brain Research

- Spearheaded the end-to-end development and training of autoencoders using Keras and Python for trajectory prediction
- Created a Jupyter Notebook to visualize trajectories using Python and Matplotlib, generating effective and detailed plots

Software Engineer Intern

Sep – Dec 2020

Kaleidescape

- Led the implementation of 12+ UI and API features for the user's Downloads page in preparation for a major release
- Utilized JavaScript, HTML5, and CSS3 to develop and improve dynamic user interfaces across multiple pages
- Implemented backend and data changes by updating relational databases and APIs using SQL migration scripts and PHP

Software Developer Intern

Jan – May 2020

Fugro

- 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, 89% GPA 2024

BASc. in Mechatronics Engineering

Udemy

2022

Web Development Courses

Skills



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