Ramonito Copreros Jr.

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Experience

Full Stack Developer Intern
May – Aug 2023
Audioworks

- Enhanced our app's music player with features aligned with top music platforms like Spotify, utilizing React Context API for efficient, app-wide queue state management
- Engineered asynchronous integration of our music player with paginated song feeds, leveraging React Native and RTK Query to deliver a robust, high-performance user experience
- Developed and upgraded UI components and APIs for profile editing modals, messaging screens, and expanded music player views using React, React Native and tsoa Express

Software Engineer Intern
Sep – Dec 2022
Verticalscope

- Contributed to a PoC decoupling four high-traffic sites by developing custom JavaScript APIs and integrating Strapi CMS with GCP storage, improving 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%
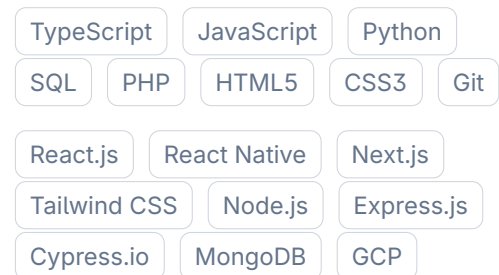
Education

University of Waterloo, 89% GPA
2024
BASc. in Mechatronics Engineering

Udemy
2022
Web Development Courses

Skills

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