Erickson Neil Ruaro

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EDUCATION

- **De La Salle University** — Manila, Philippines
  Senior High School; GPA: 3.97 / 4.00 — *Jun. 2020 - Jun. 2022*

EXPERIENCE

- **CertiK** — Remote
  Software Engineer — *January 2022 - Present*
  - **Cryptocurrency Wallet Mobile Application**: Continued where I left off as an intern by raising test coverage from 0 percent to when I began to over 60 percent. Led migration of in app-functionalities to Bloc state management solution. Standardized test-driven development. Remodeled codebase to make use of the KISS, DRY, and SRP principles. Optimized API calls by 70 percent by caching requests and by limiting payload. Streamlined user experience by communicating with UX/UI designers on how to move forward with the application.

- **CertiK** — Remote
  Software Engineer Intern — *October 2021 - January 2022*
  - **Cryptocurrency Wallet Mobile Application**: Implemented in app-features, UI/UX design, and applied test-driven development using Flutter, and Figma in developing a new cryptocurrency mobile wallet application. Responsibilities include implementing responsive design, and programming said design in Flutter. Migrated in-app functionalities to use the Bloc state management library.

PROJECTS

- **Food Vision Classifier**: Implemented convolutional neural networks and utilized efficientnetb4, efficientnetb0 architecture, transfer learning, and deep learning with TensorFlow in order to classify 10 different food classes based on image inputs. Trained classifier on over 75k training images and tested on over 25k images. Carefully picked optimizers and loss variables obtaining an accuracy score of 99 percent. https://github.com/eRuaro/food-vision

- **Dog Breed Classifier**: Implemented convolutional neural networks and utilized mobile-v-net2 architecture and utilized transfer learning, and deep learning with TensorFlow in order to classify dog breeds based on image inputs. Carefully picked optimizers and loss variables obtaining an accuracy score of 99 percent. https://github.com/eRuaro/Dog-Breed-Classifier

- **Bulldozer price prediction**: Implemented random forest regression algorithm using supervised machine learning to predict the sale price of bulldozers and assigned 5 risk parameters resulting in a 96 percent accuracy. https://github.com/eRuaro/bulldozer-price-regression

- **Chat Rawro**: Developed an end-to-end chat application with authentication using Flutter for the frontend, and Flutter and cloud firestore for the backend. https://github.com/eRuaro/chat$_r$awro

ONLINE COURSE CERTIFICATES

- **Accelerated Computer Science Fundamentals 3 course specialization (University of Illinois via Coursera, 2021)**: Learned how to implement various data structures such and algorithms in C++ using OOP and templates. https://www.coursera.org/specializations/cs-fundamentals

TECHNICAL ARTICLES

- **Using Cubits for Easy Flutter State Management (Flutter)**: Wrote and published a tutorial article on how to get started on using the cubit state management approach in Flutter, with TDD. https://neilruaro.hashnode.dev/using-cubit-for-managing-states-in-flutter

- **Developing API Services with Python and FastAPI**: Wrote and published a tutorial article on how to create a Restful API service using TDD in Python and FastAPI. https://neilruaro.hashnode.dev/developing-testing-and-deploying-fastapi-applications

PROGRAMMING LANGUAGES TECHNOLOGIES

- Flutter, Dart, Python, TensorFlow, FastAPI, Golang, Golang-Gin Typescript, Javascript, Node.js, React.js, Typer