Erickson Neil Ruaro

https://eruaro.github.io/

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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 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 product for CertiK. https://www.certik.io/
  - **CertiK Shentu**: Solved issues, and implemented requested audits for cryptocurrency using Golang, and Shentu: A Cross-chain Protocol with Security Scoring and Decentralized Reimbursements for Building Secure dApps and Blockchains. https://github.com/ShentuChain/shentu
- **Omdena** — Remote
  Software Engineer (Volunteer) — *May 2021 - October 2021*
  - **Potential Solar Power Plant sites in the Philippines**: Applied test-driven development with Javascript and Next.Js in creating the front-end of a machine learning operation that showcases potential power plant sites in the Philippines based on satellite data. https://omdenaph-solar.vercel.app/

Projects

- **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
- **Heart disease classification**: Implemented logistic regression classification algorithm using supervised machine learning to identify whether one has heart disease or not and assigned 3 risk parameters resulting in an 85 percent accuracy. https://github.com/eRuaro/heartdisease-classification

Open Source Contributions

- **Bloc**: I contribute to open issues on Bloc, one of the most popular state management libaries for Flutter applications. Mainly working on bug fixes.https://github.com/felangel/bloc/

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 Skills

- **Programming Languages**: Dart, Python, Golang, Typescript, Javascript
- **Technologies**: Flutter, Tensorflow, Scikit-Learn, FastAPI, Typer, Golang-Gin, Node.js, React.js
- **Developer Tools**: Git, Linux, Docker