

Rie Zhenzy R. Zumel

Baguio City, Benguet, Philippines | +63 939 600 1945 | zumelriezhenzy@gmail.com



EDUCATION:

- Tertiary:** **Bachelor of Science in Computer Science**
University of Baguio
Baguio City
2020 – 2025
- Secondary:** **Senior High School – STEM (Science, Technology, Engineering, Mathematics)**
Easter College
Baguio City
2018 – 2020
- Junior High School**
Pinsao National High School
Baguio City
2014 – 2018

PROJECT EXPERIENCES:

Intern: Baguio City's Smart City Command and Control Center - Inventory System

Tech stack: Vue.js, Flutter, Laravel Backend, Tailwind CSS, Node.js, Pinia, Axios

- Developed an Inventory System platform (web and mobile) designed to log the borrowed office equipment and supplies in the inventory.
- Used **Vue.js** for the web application, **Flutter** for the mobile app, and **Laravel** for the backend.
- Utilized **Tailwind CSS** for responsive, utility-first design to ensure a seamless user experience.
- Integrated **MySQL** as the database solution.

Thesis Project: AgriTayo

Tech stack: React.js, React Native, Tailwind CSS, Expo, Node.js, Express.js, Supabase, Azure DevOps, Azure Web Services

- Developed an eCommerce platform (web and mobile) designed to connect farmers with buyers, streamlining the agricultural supply chain.
- Used **React.js** for the web application, **React Native** for the mobile app, and **Express with Node.js** for the backend.
- Utilized **Tailwind CSS** for responsive, utility-first design to ensure a seamless user experience.
- Integrated **Supabase** as the database solution.
- Deployed the application using **Azure DevOps** and **Azure Web Services** for a seamless deployment pipeline.
- Created the **Software Requirements Specification (SRS)** and **Software Design Document (SDD)**, outlining the functional and technical aspects of the project.

Student Employability Predictor AI

Tech stack: Python, scikit-learn, pandas, Decision Tree algorithm

- Trained a machine learning model to predict whether a student is **Employable** or **Less Employable** based on factors such as general appearance, manner of speaking, physical condition, mental alertness, self-confidence, ability to present ideas, communication skills, and performance rating.
- Utilized a **Decision Tree** algorithm, achieving an accuracy rate of **90%**.
- Developed the AI model using **Python** and the following libraries: **pandas**, **sklearn.tree**, **sklearn.model_selection**, and **sklearn.metrics**.

Data Science / Data Analysis

Tech stack: Python (pandas, matplotlib)

- Cleaned and processed CSV datasets to ensure data accuracy and consistency.
- Generated and visualized insights using various chart types, including line graphs, bar charts, pie charts, and scatterplots.
- Converted result charts into image formats for easy reporting and presentation.

To-do List Mobile Application

Tech stack: React Native, Expo, Firebase

- Developed a mobile application using **React Native with Expo** to create a dynamic to-do list for managing assignments.
- Integrated **Firebase** for backend services, including authentication and real-time data storage.

D's Kofi Nooks Cafe Inventory System (DKNCIS)

Tech stack: Laravel, MySQL, Blade (Laravel Templating)

- Developed an ordering and inventory system to transition D's Kofi Nooks Cafe from paper-based processes to a digital solution, improving efficiency and accuracy.
- Used **Laravel** for both the frontend and backend development, and **MySQL** for database management.

SKILLS

Technical Skills:

- **Frontend Development:** JavaScript, HTML, CSS, Bootstrap, Tailwind CSS, React.js, React Native
- **Backend Development:** Node.js (Express), Laravel
- **Database Management:** MySQL, PostgreSQL, Firebase
- **Deployment & Cloud Services:** Azure DevOps, Azure Web Services, Render
- **Version Control & CI/CD:** Git, GitHub, CI/CD Pipelines
- **Data Analysis & Visualization:** Python (pandas, matplotlib, seaborn, scikit-learn)

Soft Skills:

- Flexibility
- Communication
- Teamwork
- Problem Solving

CERTIFICATIONS

Certification of Participation in RAISE Startup Caravan

*DICT, Baguio City
August 16, 2024*

Certification of Participation in Philippine Startup Challenge

*DICT, Baguio City
October 13, 2023*

Successful Completion of Tweet Emotion Recognition with TensorFlow by Coursera

*Coursera
March 24, 2023*

Successful Completion of Object Localization with TensorFlow by Coursera

*Coursera
February 10, 2023*

Successful Completion of Basic Image Classification with TensorFlow by Coursera

*Coursera
January 29, 2023*

Certificate of Participation: Stepping Up Your Career in Cloud Computing and DevOps

*University of Baguio
October 31, 2023*