



JAMES NUNIEZA

WEB DEVELOPER

PERSONAL PROFILE

I provide value by being adaptable, proposing good ideas and alternatives and doing the best of my ability to satisfy the needs of the client.

WEB SKILLS

- SQL (MySQL, MSSQL, Oracle)
- Rest API
- NoSQL (Mongodb)
- ORM (Sequelize)
- ODM (Mongoose)
- PHP (Laravel)
- Javascript (NodeJS, Vue, React)
- Excel
- Tableau
- Snowflake
- Laravel
- Python
- C

GENERAL SKILLS

- Web Development
- Data Science
- Data Engineering
- Robotics
- Automation
- Research and Development
- Microcontrollers
- AUTOCAD
- Signal Processing
- Machine Learning
- Office applications (Word, Excel, etc.)
- Power BI

CONTACT DETAILS

Mobile: 09151749280

Email: jamesinunieza@gmail.com

WORK EXPERIENCE

SOFTWARE ENGINEER (PEOPLESOFT DEVELOPER)

Accenture | February 2021 – January 2022

- Troubleshooting, analyzing, and updating data through SQL.
- Handles Maintenance Tasks to ensure no errors emerge from the software
- Advises customers regarding maintenance of software system
- Investigates transactions in finance and inventory
- Prepared reports and documentations

EMBEDDED SOFTWARE ENGINEER

DOST | August 2020 – January 2021, February 2022 – April 2022

- Created a web application that stores system information which can be viewed and updated.
- Helped in the creation of a prototype oxygen concentrator that uses IoT to relay data in a connected network. Also Created the algorithm to regulate the oxygen output of the machine.
- Prepared detailed reports and documentation on how the project was designed.
- Created front end interactive interface using Python with Flask Framework and JQuery.

GIS WEB DEVELOPER

Arcadis | May 2022 – Present

- Created Web Applications for Australia based clients.
- Train Machine Learning models that classify animals in Australian wildlife.
- Implemented a Globally Scaled Tool and Maintaining it in Azure.
- Created Power BI Apps to create home portals for projects.
- Prepared detailed reports and documentation on the data that was processed.

EDUCATION HISTORY

MAPUA UNIVERSITY

Bachelor Science of Electronics Engineering, 2020

- Vice President, Mapua Judo Club
- Executive Comittee, EIR-AS
- Member, IECEP

PROJECTS

PROGRAMMING AND APP DEVELOPMENT

WORKFORCE PLANNING TOOL

- It is a Web Application that records hours worked by different people and displays information in the form of graphs and many visual information that can increase the productivity of the user when interacting with it.
- Used VueJS for FrontEnd and Express for BackEnd. MSSQL for the database (as it is in Azure)
- It is now Globally Implemented Tool used by a company to resource working hours for the workforce.

INFORMATION MANAGEMENT SYSTEM

- It is a web based application that to update specific records and display it in a interactive search engine to edit the data or addadditional information to it.
- It uses PHP with Laravel framework with a combination of Javascript (Ajax for dynamically accessing Database), DOM for HTML manipulation and JQuery for ease of use.

YACHTFULL

- Created a component for a website that's a data transformer that transforms one form of data in another form that can adapt based on the current structure from the data that came from an api.

ENERGY FORECASTING API

- It is an api that forecasts energy values depending on the time of the day.
- Can be used to predict when is most efficient time to get power from an energy source that is dependent on time.
- Used Python (Flask, Scikit Learn) to create the project.

POSITION OPTIMIZATION FOR SENSOR NODES

- Used Python to create a position optimizer for sensor nodes using Genetic Algorithm and Particle Swarm Optimization.
- Used raspberry pi as main server to connect with multiple firefly nodes with Contiki OS.

STUTTER SPEECH DETECTION APPLICATION

- Used Python and Recurrent Neural Network to observe voice data and classify the input voice as a word and use the input words to create new sentences based of the previous words that were input.
- Created a user interface with PyGUI5.

PATH FINDER

- The program initiates a series of trial and errors to determine the most efficient path from point A to point B.
- Used python to make an algorithm that finds the shortest path given a number of obstructions (points) that is defined by the user.

PROTOTYPE OXYGEN CONCENTRATOR

- Used Python Flask to create an interactive Web application to control an embedded system which can be remotely accessed from a server.
- Integrated a graphical Monitoring system that communicates with the arduino and monitors the oxygen level in real time.
- Integrated PID to regulate oxygen flow into the system.