Reymond R. Mesuga

A Programmer and a Physics Student

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INTRODUCTION

"I am a self-starter when it comes to programming. I learned a lot of my skills and knowledge in front-end web development and artificial intelligence in my spare time while taking a degree in physics. I am looking for internship opportunities where i can develop and utilize my current skills sets."

I am willing and available for web/software development, data science and A.I. engineering internship role. If given a chance, i will definitely use this opportunity to bring out my best and develop my skill set to advance my career in tech industry. I will be also committed to be productive as much as possible to meet the demands of the people who will be giving me a chance.

WEB APP PROJECTS

JavaScript Documentation- (source code)
A JavaScript documentation website made using Vanilla JS that is part of the project in freeCodeCamp.

Random Quote Machine- (source code)
A Random Quote Machine made using React JS that is part of the project in freeCodeCamp.

Keeper App- (source code)
A to-do-list app using React JS that i learned from the tutorial of Instructor Angela Yu.

JavaScript Calculator- (source code)
A JavaScript Calculator made using React JS that is part of the project in freeCodeCamp.

Personal Website- (source code)
The updated personal website i'm currently using to showcase my projects and skills. This project was made using React JS.

A.I. PROJECTS AND RESEARCHES

Investigation on the Effects of Image Quality on the Accuracy of Convolutional Neural Networks to Predict the Possible Existence of Covid-19 in Chest X-ray Images
R. Mesuga, C.R. Pernes and L. Villacruz - (Ongoing)

On the Efficiency of Various Deep Learning Models in Glitch Waveform Detection in Gravitational-Wave Data
R. Mesuga and B.J. Bayanay- **(source code)-(full article)**

Alzheimer's Disease Detection Using Different State of the Art CNN Transfer Learning Model Algorithms
Reymond Mesuga- **(source code)**

Histopathologic Cancer Detection Using Transfer Learning with InceptionV3 Base Architecture
Reymond Mesuga- **(source code)**

Pneumonia Prediction Using Convolutional Neural Network with ResNet9 Architecture
Reymond Mesuga- **(source code)**

EDUCATION

2018 – 2022   **Bachelor of Science in Physics**
PRESIDENT'S LISTER AND DEAN'S LISTER
PUP Sta. Mesa, Manila

2016 – 2018   **Senior High School, S.T.E.M.**
PUP Sta. Mesa, Manila

2012 – 2016   **Secondary High School**
FIRST HONOR'S
Kalayaan National High School, Pasay City

CERTIFICATIONS

Agile Software Development Certificate
Coursera with University of Minnesota

Software Engineering Virtual Experience Certificate
Forage with JPMorgan Chase & Co.

Front-End Web Development with React Certificate
Coursera with The Hong Kong University of Science and Technology

Responsive Web Design Certificate
freeCodeCamp

Computer Vision Certificate
Kaggle

TECHNICAL SKILLS

FRONT-END WEB APP DEVELOPMENT	HTML5, CSS3, Sass, JavaScript, Git, GitHub, Bootstrap, React JS, React Bootstrap, Firebase, Netlify, Yarn, NPM
DEEP AND MACHINE LEARNING (A.I.)	Python, TensorFlow, PyTorch, Keras, OpenCV, Scikit-Learn
DATA ANALYSIS	Python, Numpy, Pandas, SciPy, Matplotlib, Seaborn, MatLab, Scilab, Octave

INTERPERSONAL SKILLS

Leadership • Communication • Trust Worthy
Team Player • Learner • Listener

GENERAL SKILLS

Strong Work Ethic • High Self-Awareness
Strong Passion • Critical Thinking