Russell Brian G. Gonzales Jr.

BS in Computer Engineering 2020-2024

09932254357 · russellgonzales.rg@gmail.com

Male · 23 · Filipino

https://www.linkedin.com/in/russell-brian-gonzales-4a198a18b/

Lot 10-11, Blk 21, Alexandra South, Purok 2

Majada Out, Calamba City, Laguna, Philippines

JOB EXPERIENCES

- **URC Canlubang OJT**- Python Programmer and Operation Analyst Assistant. (*Feb 20- June 13 2024, 5 months*)
- **Verza Enterprizes Halang Internship** - Land Surveying AutoCad plotter. (*Jan-March 2020, 3 months*)

SKILLS

- Programming Languages: C, Java, Python, HTML, CSS, Javascript.
- Software Development, Object-oriented programming, Web development, Machine Learning.
- Familiarities: Git, Collaborative Programming, Project-based coding.
- Adaptable.
- Communication skills.

PROJECTS

- **Overall Equipment Effectiveness Prototype** **February-June 2024**
  Universal Robina Corporation On-the-job Training, Software Developer Intern

  I have created software for Overall Equipment Effectiveness (OEE) Prototype. Its primary function is to count pouches from the URC product line using a barcode scanner and calculate machine efficiency to detect downtime. I used Python to design the user interface and to code the formulas for the prototype.

- **Proper Uniform Detection using Computer Vision** **September 2023-January 2024**
  Letran Calamba Thesis Collegiate Level, Software Developer

  As the programmer of the team, I developed a prototype for Uniform Verification and Identification using YOLO computer vision. I integrated computer vision into the user interface I designed using Python, CUDA, and OpenCV libraries. The primary function of the prototype is to detect whether the student is wearing the proper uniform or not.

- **Vehicle Speed Detection and License Plate Recognition** **March-May 2023**
  Machine Learning Project 3rd Year, Software Developer

  I developed a system for Vehicle Speed Detection and License Plate Recognition using Python, utilizing YOLO for object detection, machine learning algorithms for speed estimation, and computer vision techniques for accurate license plate recognition.

EDUCATION & CERTIFICATIONS

Bachelor of Science in Computer Engineering
Colegio de San Juan de Letran Calamba
2020-2024

STEM Senior High School
Saints John and Paul Educational Foundation
2018-2020

IT Specialist - Networking
Certiport - October 2023

Microsoft Office Specialist: Excel Associate
Microsoft- January 2024

Core Employability Skills
Wadhwani Foundation - November 2023

AFFILITION AND AWARDS

Institute of Computer Engineers of the Philippines (2020-present)
Active Member

Letran Computer Engineering Society (2022-2023)
President

Letran Computer Engineering Society Speed Coding Competition
2nd Place - December 2021

URC SPARK Open Innovation: Prototype listed candidate
OJT Programmer of OEE Prototype 2024

ONE LETRAN 1st Student Research Conference 2024
Student Researcher/Programmer