RAY CHRISTIAN SANTOS

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OBJECTIVE

Bachelor of Science in Computer Science graduate with hands-on experience in mobile app development using Java, Kotlin, and Android Studio. Skilled in building scalable applications, API integration, and leveraging machine learning for enhanced mobile functionality. Seeking a Mobile Developer position to apply my technical expertise in creating innovative, user-centric solutions.

EDUCATION

Bachelor of Science in Computer Science
Tarlac State University — 2020 - 2024

STI College Tarlac — 2018 -2020

Maligaya Trinity Baptist Christian Academy INC — 2008 - 2018

CHARACTER REFERENCE

Bryan Lugtu
Colleague | ELJIN CORP
IT MANAGER — 09175821604

Mark Aglapay
Colleague | ELJIN CORP
Senior Web developer — 09515384154

EXPERIENCE

Tarlac City Health Office - Office Assistant
Hilario St, Tarlac City, 2300 Tarlac — -FEBRUARY 2020

Kaizenaire Outsourcing and Offshoring Consulting - Graphic Designer and Web developer
Singapore, Singapore 458278, SG — -JULY 2023

ELJIN CORPORATION (BW SUPERBAKESHOP) — -SEPTEMBER 2024

SKILLS

- SDLC: Java, Python, Kotlin
- STLC: Python, JavaScript
- Web Development: HTML/CSS, JavaScript, Laravel (PHP)
- Mobile Development: Android Studio, Java, Kotlin
- Machine Learning: TensorFlow, PyTorch, OpenCV
- Database: MS SQL, Room Database, SQL
- Development Methodologies: Waterfall, Agile
- API Development: Laravel (PHP)
- Middleware: Node.js
- Tools & Technologies: RESTful APIs, Firebase, Git, Docker

PROJECTS

ECPOS - In house Point of Sale System for BW Super Bakeshop Eljin Corp(Mobile app)(Kotlin)(node)(Laravel Api)

Developed and implemented ECPOS, a In house Point of Sale system for BW Super Bakeshop, currently used across 21 stores. The system includes features like inventory management, sales reporting, customer management, loyalty programs, stock transfer, attendance tracking, and cashier transactions. ECPOS enhances operational efficiency, streamlines store management, and improves the overall customer experience, helping the company manage its day-to-day operations more effectively.

Mobile-Based Real-Time Skin Disease Detection with YOLO v5 (Mobile App) (kotlin) (Winner of TSU 2024 Best Thesis Award in BSCS) ([github.com/Raysantos22/Skin-Disease-Detection])

Developed an offline mobile app using Java/Kotlin for real-time skin disease detection with 95.20% accuracy. It uses YOLO v5 (TensorFlow/PyTorch) and OpenCV to identify 12 common skin conditions.

FoxNav:A 2DNavigation System using MAPBOX and A* Algorithm(MobileApp) (kotlin([github.com/Raysantos22/FoxNav]

FoxNav helps TSU freshmen with real-time outdoor navigation (Mapbox API) and indoor navigation using a custom 2D map and A* algorithm, allowing users to find their location and navigate to specific rooms on campus.

Real-time Student Face-based Attendance System and face login With Anti-Spoofing and Hand-Raising Detector using Facenet,SVM and Haar(Python) ([github.com/Raysantos22/Face-Attendance])

Developed a real-time student attendance system using Python, featuring Facenet for facial recognition, SVM for classification, and Haar cascades for anti-spoofing. It includes hand-raising detection and face login for secure attendance and user authentication.

AI-Driven and Descriptive Audio Feedback Based on User Inquiries for Blind Users (YOLOv11)(Kotlin)

Developed an AI-driven system that provides real-time descriptive audio feedback for blind users based on visual inquiries. Using YOLOv11 for object detection, the system accurately identifies objects in the environment and delivers detailed audio descriptions, improving navigation and accessibility for visually impaired individuals.