

Paul Antonio Gaynor

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EXECUTIVE SUMMARY: Experienced Software Engineer, Database Architect, and Computing Lecturer with deep expertise in computer vision, AI, and large-scale data systems. Proven leader in academic, research, and commercial environments, with a strong record of delivering production-ready systems, mentoring teams, and translating advanced research into real-world solutions.

PROFESSIONAL EXPERIENCE

Computing Lecturer at the University of the West Indies (Jamaica) 2006 – Present

- **Team Lead - Project MovingEye:** Led the design and deployment of an intelligent video monitoring platform with drone-based response. System integrates embedded boards, REST, Flask UI, computer vision, NLP, and custom AI models. (2022-2023).
- **Leadership and Coordination Roles:**
 - Chair, Faculty of Science and Technology ICT Committee (2020-Present)
 - Undergraduate Coordinator, Department of Computing (2017-Present)
- **Teaching & Assessment:** Delivered and assessed undergraduate and postgraduate courses in Computer Vision, Data Structures, Object-Oriented Programming, Algorithm Analysis, Project Management, and Computer Organization.

Software Engineer and Database Application Developer at Proactive Solutions (Jamaica) 2012 – Present

- Developed cloud based process manager and app to support Food Safety certification.(2025)
- Deployed online presence and cloud-enabled data management for the Kingston YMCA.(2024-2026)
- Engineered media management system using SQL Server, Visual Basic, and Office automation. (2018)
- Built bayesian analysis Export and Transform Loader using SQL, PHP, HTML5, and Paypal API.(2015)
- Developed ETL to implement Financial Information eXchange protocol using SQL Server /SSIS. (2012)

Team Lead and Software Engineer at PeopleCorp Technologies Ltd. (Jamaica) 2001-2007

- Built multiple financial systems with PHP and ASP over SQL using transactions, triggers and indexes.
- Created a ship pilot scheduler for the Port Authority of Jamaica using .Net and SQL Server.

PROFESSIONAL CERTIFICATIONS

NVIDIA Deep Learning Institute Instructor(Computer Vision for Industrial Inspection)	earned 2025
Comptia Security+ (SYO-701)	earned 2024
Databricks LLMs:Application through Production	earned 2024
MCSA: SQL 2016 Database Development	earned 2019

EDUCATIONAL QUALIFICATIONS

PhD (Computer Science),The University of the West Indies (UWI), Jamaica	2016
MSc (Telecommunications Technology), UWI, Jamaica	2001
BSc-1 st Class Hons (Electronics + Computer Science), UWI, Jamaica	1995
Certificate: (Machine Learning with Python (6.86x)) M.I.T. (online via edX.)	2020
Certificate: (Neural Networks for Machine Learning) Univ. of Toronto (online via Coursera)	2018

TECHNICAL SKILLS

Expert Level: SQL • Kotlin • Python • C++ • OpenCV • REST • Flask

Proficient: Tensorflow • React • Java • PHP • Visual Basic • Embedded Development

SOFT SKILLS

Project Management • Leadership • Team Building • Mentoring • Initiative

PUBLICATIONS

Syscon 2026(Accepted): Learned Super-Resolution as a Low-Bitrate Image Compression Mechanism...
ICACECS 2023: Unsupervised Context Distillation from Weakly Supervised Data to Augment Video QA.

COMMUNITY LEADERSHIP AND SERVICE

Chair, Community Management Committee for the Kingston YMCA (Jamaica, West Indies) (2024–Present)
Board Member, Kingston YMCA (Jamaica, West Indies) (2018–Present)
Chief Examiner, Advanced Level Computer Science for the Caribbean Examinations Council (2016-2018)
