

# Paul Antonio Gaynor

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More@ <https://paulgaynor.com>

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**EXECUTIVE SUMMARY:** Experienced software and database engineer with computer vision and AI skills.

## PROFESSIONAL EXPERIENCE

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

- Deployed a cloud-enabled data management app for the Kingston YMCA.
- Developed cloud based process manager and app to support US Food Safety certification for Stack7Ltd.
- Engineered outdoor media management system using SQL Server, Visual Basic, and Office automation.
- Built bayesian analysis Export, Transform and Load (ETL) using SQL, PHP, HTML5, and the Paypal API.
- Developed ETL to implement Financial Information eXchange protocol using SQL Server and SSIS.

### **Computer Vision Researcher, and Lecturer at the University of the West Indies (Jamaica) 2006 – Present**

- **Team Lead - Project MovingEye:** Deployed video monitoring solution with drone response that feeds a Flask UI via REST over embedded boards using python, Computer vision, NLP and custom AI models.
- **Other Roles:** Chair, Faculty of Science and Technology ICT Committee (2020-Present), Department of Computing (DoC) Undergraduate Coordinator (2017-Present), DoC Outreach Coordinator (2008-2013).
- **Lecturer Role:** Delivered and assessed a postgraduate course in Computer Vision , as well as undergraduate courses in Project Management, Data Structures, Object-Oriented Programming, Algorithm Analysis and Computer Organization.

### **Software Engineer and Team Lead 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.
- Maintained team synergies, and managed external engagement with clients and government entities

## PROFESSIONAL CERTIFICATIONS

Google Professional Data Engineer	earned 2023
Tensorflow Google Certified Developer	earned 2022
Project Management Professional	recertified 2022
MCSA: SQL 2016 Database Development	earned 2019

## EDUCATIONAL QUALIFICATIONS

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
PhD (Computer Science),The University of the West Indies (UWI), Jamaica	2016
MSc (Telecommunications Technology), UWI, Jamaica	2001
BSc-1 <sup>st</sup> Class Hons (Electronics + Computer Science), UWI, Jamaica	1995

## TECHNICAL SKILLS

**Expert Level:** SQL, Tensorflow, Python, C++, OpenCV , REST, Flask, Requirements development

**Proficient:** Kotlin, React, Java, PHP, Visual Basic, Embedded Development, Network design

## SOFT SKILLS

Project Management, Leadership, Team Building, Mentoring, Initiative

## PUBLICATIONS

ICACECS 2023: Unsupervised Context Distillation from Weakly Supervised Data to Augment Video QA.

IEEE SouthEastCon, 2022: Identifying Faults In Javelin Throwing Technique Using Computer Vision.

IEEE ICUAS, 2014: Towards Distributed Wilderness Search using a Swarm of Miniature UAVs.

## COMMUNITY OUTREACH AND LEADERSHIP

Board Member for the Kingston YMCA (Jamaica, West Indies) (2018–Present)

Tae Kwon Do Instructor for the Kingston YMCA (Jamaica, West Indies) (2000-2022)

Participant in the Stella Maris Roman Catholic Church (Jamaica) Street Feeding Programme (2015 – Present)

Chief Examiner of Advanced Level Computer Science for the Caribbean Examinations Council (2016-2018)

## ONLINE :

**LinkedIn** @ <https://www.linkedin.com/in/paul-gaynor-aa900b5/>

**Portfolio** @ <https://paulgaynor.com/portfolio.pdf>

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