

# Jevan Howard

## Address:

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## Links

<https://www.linkedin.com/in/jevan-howard-57823a178/>

## Languages

English (Native)

## Profile

With a foundation in Geography, Environmental Science, and Information Technology, I am driven by a passion for addressing environmental challenges through innovative technological solutions. My interests span AI, cyber resilience, environmental monitoring, and sustainable utilities, areas where I aspire to make meaningful contributions. I am always open to learning and embracing new skills, I thrive on blending interdisciplinary knowledge to uncover forward-thinking, sustainable approaches for the future.

## Technical Skills

- **GIS & Remote Sensing:** ESRI ArcGIS Suite (ArcMap 10.x), QGIS, Google Earth Engine (GEE), Geomatica Banff, Satellite Imagery Processing (NDVI, SAVI, EVI, SAR), Image Orthorectification, Watershed Modeling & DEM Analysis
- **Programming & Web Mapping:** Python (Geospatial scripting & Automation), Django Framework, Geoserver, Database Management.
- **Project Management & QA:** Atlassian Jira, Micro Focus ALM (Application Lifecycle Management), Micro Focus Connect, Microsoft Project, Defect Tracking & User Testing, Real-time Dashboard Creation.

- **IT Security & Engineering:** CompTIA Security+ Certified, Network Security & Risk Assessment, Incident Response, IoT System Design (Environmental Monitoring Sensors).

## Employment History

### Geographic Information Systems Technician at Caribbean Institute of Meteorology and Hydrology, Bridgetown, Barbados

April 2020 — August 2024

- Acquired and processed NDVI, SAVI, and EVI satellite imagery for CARICOM member states using Google Earth Engine and Python scripts in QGIS, facilitating a comprehensive database for watershed analysis.
- Created and updated watershed databases utilizing DEM files, enhancing territorial mapping accuracy across the Caribbean.
- Completed orthorectification of aerial imagery with Geomatica Banff, ensuring true-to-scale representations for geographical assessments.
- Retrieved and analyzed SAR images from USGS and Copernicus portals, supporting remote sensing applications including oil spill detection.
- Maintained and updated shapefile layers on the DEWETRA platform through DJANGO and Geoserver, ensuring data integrity and accessibility.

### Quality Assurance & Project Analyst at Virtual Business Valet, Franklin Park, New Jersey (Remote)

July 2023 — February 2024

- Utilized management software like Jira and ALM to oversee defects and user testing cycles.
- Analyzed and created live project tracking dashboards to monitor real-time testing changes.
- Developed work cycle environments for executing new test cases and logging defects.
- Managed Microfocus Connect Software for syncing changes across Jira and ALM.

- Ensured software products met quality standards and collaborated with teams to resolve issues.

## Geographic Information Systems Assistant at Barbados Light and Power Company, Bridgetown, Barbados

January 2019 — December 2019

Worked in the Asset Management department on the GIS portion of the BL&P's Advanced Metering Infrastructure (AMI) project. This included using ArcGIS (ArcMap 10.X) to accurately display customer AMI meter field data within the transmission line networks and to map commercial and private connection statuses across the island.

## Caribbean Catastrophe Risk Insurance Facility (CCRIF) Intern at National Emergency Management Organization (NEMO), Kingstown, St. Vincent and the Grenadines

September 2018 — November 2018

- Worked along with the National Emergency Management Organization (NEMO) in St Vincent and the Grenadines on various projects related to Emergency management such as the deployment of Satellite warehouses to store Hurricane supplies in vulnerable communities, Outreach programs at schools educating teachers on the importance of disaster preparedness and workshops.
- Assisted the Caribbean Disaster Emergency Management Agency (CDEMA) in a critical workshop with the aim of updating the National Disaster Management Policy in St Vincent and the Grenadines. This included working with Key Stakeholders for several days in emergency management to flesh out and develop ideas critical to ensure an appropriate response to emergency situations and the activation of a disaster management command centre.

## Other Experience

### Cambly.com - English Tutor

July 2022 — December 2025

As an English tutor at Cambly.com, I facilitated engaging conversation practice for over 100+ students worldwide. Through personalized, guided sessions, I have helped students improve their speaking, grammar, pronunciation, and vocabulary. My dedication to expanding their English skills has contributed positively to their overall language proficiency.

## Education

### MSc Natural Resource Management, University of the West Indies, Mona Campus

Expected Graduation: July 2027

- **Specialization in Disaster Risk Management**
- Research Thesis: **Environmental engineering – Designing an IoT (Internet of Things) based environmental monitoring system.**
- Areas Covered: Socioecology, Environmental Law, Geoinformatics, Environmental Impact Assessments, Environmental Data Management, Project Management, Environmental Economics

### BSc Geoscience, University of the West Indies, Mona Campus, Kingston, Jamaica

September 2015 — July 2018

- Graduated with Upper Second Class Honours with a focus in **Physical Geography and Geology.**
- Research Thesis: **A Study of the Coastal Geomorphology and Ecology of the Palisadoes Tombolo, Kingston, Jamaica.**

## Associate's degree in science, Barbados Community College, Bridgetown, Barbados

September 2013 — July 2015

- Graduated with Credit with a focus in Environmental Science and Geography.

## GIS Certifications

### Applied GIS & Remote Sensing, Land Information Council of Jamaica (LICJ), Kingston, Jamaica

Certificate issued by the LICJ upon completing a university course on the fundamentals and application of remote sensing techniques in GIS.

## IT Certifications

### CompTIA Security+

A globally recognized credential that validates foundational skills in IT security, covering essential topics such as network security, threat management, risk assessment, cryptography and incident response.

## Professional Certificates

### Project Management: Tools and Techniques, University of the West Indies Open Campus, Bridgetown, Barbados

- Techniques and tools for planning and executing projects by establishing positive project procedures and practices that encompass the full life cycle of a project
- The purpose, inputs, and outputs of the processes in each of the five (5) Process Groups: Initiating, Planning, Executing, Monitoring and Controlling, Closing.

### CARICOM Skills Certificate, Bridgetown, Barbados

Recognized certificate of accredited qualifications, allowing skilled nationals of CARICOM member states to move and work freely within the region under the CARICOM Single Market and Economy (CSME).

## Courses

- GIS for Climate Change, Environmental Systems Research Institute (ESRI)
- Cartography, Environmental Systems Research Institute (ESRI)
- Copernicus Synthetic Aperture Radar, Copernicus

## Extra-curricular activities

### Treasurer at Leo Club of Barbados East

July 2022 — July 2025

Responsible for managing the club's funds and expenses.

### Service Chairperson at Leo Club of Barbados East

September 2020 — July 2021

Service Chairperson of the Barbados Leo Club East, responsible for implementing and planning community outreach projects through member participation.