

Matthew Williams

Curriculum Vitae

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Data Analyst with a BBA in Computer Information Systems, specializing in SQL, Python, Power BI, and GIS, with expertise in automation, dashboard development, and geospatial analytics. Lead developer of the Bahamas Crime Intelligence Map, a civic analytics platform supporting national decision-making, and co-developer of Coral Coin, an award-winning fintech project recognized internationally.

Key Projects

Geospatial Mapping of Police Divisions (QGIS)

Jan 2026 - Present

- Digitized and validated police subdivision boundaries for New Providence & Paradise Island using official RBPF descriptions.
- Developed geospatial datasets aligned with national data standards for integration into analytics systems.
- Enabled spatial analysis and mapping for use in crime trend evaluation and policy planning.

Bahamas Crime Intelligence Map

May 2025 - Present

- Developed a full-stack crime analytics platform using RBPF data (2019–2024).
- Processed and structured 5 years of national crime data into machine-readable datasets.
- Built automated pipelines with pdfplumber, pandas, and numpy to extract and normalize crime data from official reports.
- Built interactive GIS-based heatmaps covering multiple police subdivisions across New Providence & Paradise Island via React Leaflet.
- Designed and implemented API endpoints for data filtering and retrieval, improving usability and scalability.
- Created a geospatial dataset (GeoJSON) enabling subdivision-level analysis.
- Deployed live system supporting real-time filtering and visualization via Vercel and Render.

IT Service Desk Analytics Dashboard

Dec 2025

- Built Power BI dashboard analyzing ticket volumes, resolution times, and technician performance.
- Extracted and transformed SQL data using SQL Server Management Studio 19.
- Identified bottlenecks and service delivery inefficiencies, supporting leadership decisions.

Coral Coin

Mar 2024 - Apr 2024

- Co-developed digital money transfer service during LIVE AI Hackathon (University of The Bahamas team).
- Inspired by Hurricane Dorian recovery, designed a platform to support displaced Bahamians and enable global donations.
- Co-built web app on Wix, integrating Stripe for secure peer-to-peer payments.
- Implemented AI chatbot for customer support and tailored communication.
- Assisted with legal considerations of fintech deployment.
- Awards: Best International Product (ICP Hub NA), Financial Technology Winner (Harvard), Web3/Blockchain Winner (Global), Popular Vote “I Love Democracy.”

Full details are available on my [LinkedIn](#) profile under the Projects section.

Technical Skills

- **Data & Analytics:**
 - SQL, Power BI, Python, Pandas, NumPy, Scikit-learn, Data Cleaning, Data Visualization, Dashboard Development
- **Programming Languages:**
 - Proficient:
 - Python, SQL, PowerShell, JavaScript, HTML/CSS, DAX
 - Familiar:
 - R, C#, Java, Batch Scripting
- **GIS & Spatial Analysis:**
 - QGIS, GeoJSON, Mapping, Leaflet, Folium, Shapely
- **Tools & Technologies:**
 - FastAPI, Uvicorn, React(basic), Git/GitHub, SQL Server Management Studio, Visual Studio Code
- **IT & Systems:**
 - Microsoft 365, Systems Troubleshooting, Networking Fundamentals
- **Cloud & Deployment:**
 - Docker, Vercel, Render, Oracle Cloud
- **Data Engineering & Automation:**
 - Automated ETL pipelines, CSV/database integration, Workflow optimization

Professional Experience

Volunteer Staff (Seasonal Role) | Creative Arts and Performing Arts School (CAPAS) *May 2025- Jun 2025*

- Supported coordination and logistics during national auditions.
- Managed scheduling, registration data, and multimedia preparation.
- Collaborated with the administrative team to ensure efficient daily operations.

President | Student Government Association University of The Bahamas *Aug 2022 - Jun 2023*

- Directed a 21-member executive board serving 4,000+ students, driving initiatives in technology, policy, and student welfare.
- Implemented a digital transition to Microsoft 365, improving communication and document management.
- Collaborated on IT infrastructure and resource planning for campus operations.
- Chaired disciplinary hearings, drafted policies, and managed a \$160K+ operational budget.
- Trained and onboarded incoming board members; coordinated executive travel and recruitment logistics.
- Assisted with recruitment and hiring of university candidates

Student Ambassador | First Year Experience *Jul 2022 - Dec 2022*

- Assisted first-year students (CIS majors) with academic and registration issues, and provided campus tours
- Maintained integrity between physical and digital records to ensure data accuracy.
- Managed communication via WhatsApp groups and tracked issue resolutions.

Summer Intern | J.S. Johnson *Jul 2022*

- Supported office IT operations, including data management, scheduling systems, and troubleshooting.
- Maintained integrity between digital databases and physical records.
- Provided customer and technical support for agents and clients.

Volunteer Experience

Member, Membership Committee | FinGen Society

Jan 2025 - Present

- Contribute to membership growth and engagement strategies within a technology and finance-focused professional society.
- Proposed outreach initiatives to strengthen university partnerships and digital engagement.
- Analyzed member retention data and provided feedback to improve onboarding processes and satisfaction metrics.

General Member | Caribbean Foundation for Peace, Rights and Economic Progress

Jan 2025 - Present

- Actively promote the organization's mission and values in professional and community settings.
- Participate in meetings, workshops, and policy-oriented discussions related to human rights, governance, and economic development.
- Contribute to CFPREP initiatives through volunteering, strategic input, and collaborative planning.
- Support inclusive, ethical, and rights-based engagement across community and organizational activities.

Model & Male Trainer | Victorian Modeling Troupe Inc. Exodus Chapter

Aug 2023 - Present

- Engage individuals interested in modeling.
- Train male models in training.
- Collaborate with the President on the crossing process and assessing models in training.
- Assist with chapter's affairs.

Member | National Society of Leadership and Success

Nov 2022 - Present

- Completed requirements to be inducted.
- Built successful network teams to connect with university peers.
- Become an accountability partner for my team members.
- Motivate and inspire my team members.

Member | Project Skinny Boy

Jul 2020 - Present

- Inspire slender males around the world to be their authentic selves.
- Advertise the organization.
- Assist with membership intake by recommending the initiative to individuals whom it targets.
- Use mediums such as modeling on social media to increase members' confidence.
- Support members when granted modeling opportunities.
- Act as an accountability partner for other members.

Member at Large | Graduation Class Council

Apr 2024 - Aug 2024

- Served on multiple committees, including fundraising and events.
- Liaised between the council and ProPhoto to provide updates.
- Advised the council on best practices for successful events and initiatives.

Professional Development Chair | Rotaract Club of The University of The Bahamas

Jul 2023- Jul 2024

- Conducted training sessions to improve member competency in technical and soft skills.
- Designed surveys and analytical reports to track growth and engagement among board members.
- Managed the drafting of formal letters from the organization, completing quarterly reports.
- Assisted with community service initiatives such as:
 - Bonefish Pond National Park (Partnership with Bahamas National Trust)
 - All Saints Camp, Bahamas (Food distribution and assistance)
 - Great Commission Ministries (Food distribution)

Member | Golden Z University of The Bahamas

Sept 2022 - May 2023

- Served the membership committee:
 - Assisted with member intake.
 - Assisted with documenting members' records.
 - Assisted with fundraisers and events held by Golden Z.
 - HIV testing on UB's campus (partnership with AIDS Foundation, Ministry of Health, and Golden Z).

Parliamentarian | National Society of Black Engineers University of The Bahamas *Sept 2022 - May 2023*

- Coordinated Parliamentarian procedures were followed.
- Reviewed all actions, ensuring they were constitutional.
- Assisted with fundraising.

Dep. Sen. Speaker & Co-Senator for SBHM | Student Government Association *Nov 2021- Jul 2022*

- Addressed and resolved student concerns across academic, technical, accommodation, welfare, and campus facilities.
- Drafted and proposed academic policies to improve student experience and institutional efficiency.
- Supported the management of a 15-member board, including training and transitioning incoming members.
- Maintained and organized confidential documents, ensuring secure handling and accurate recordkeeping.
- Assisted with recruitment and onboarding of university candidates, contributing to talent engagement efforts.
- Coordinated travel logistics and accommodations for executive members and invited guests.
- Co-authored Senate reports with the Speaker and conducted building assessments across Oakes Field Campus.
- Designed and analyzed student surveys to inform course scheduling and resource allocation.
- Ensured adherence to Robert's Rules of Order
- Served on multiple committees, including the Disciplinary Committee and Social Events Committee (Co-Chair).
- Led and co-hosted successful campus events such as UB Lit, Resume Seminars, and School of Business mixers.
- Acted briefly in the role of Senate President, representing student interests at the executive level.

Focus Group Member | National Debate Series

Sept 2021

- Assisted with the Production of the series
- Served on a panel contributing to the development of the series
- Formulated public-focused questions to guide debate discussions

Full List Available on LinkedIn

Licenses & Certifications

Google Analytics

Mar 2026

Under Google

Power BI and SQL for Data Analytics | Skillnest

Feb 2026

Under UpSkill Bahamas

Oracle Cloud Infrastructure Data Science Professional | Oracle

Oct 2025

Under Oracle

Data Science | IBM

Aug 2025

Under Coursera

Microsoft IT Support Specialist Microsoft Under Coursera	<i>Jul 2025</i>
Diploma in Digital Photography Alison Under Alison	<i>Jun 2024</i>
CompTIA Network + Training Simplilearn Under Government of The Bahamas	<i>Jun 2024</i>
Speaker Program LYL Under Legacy Youth Leadership	<i>Aug 2023</i>
Money Track LYL Under Legacy Youth Leadership	<i>May 2023</i>
Time Track LYL Under Legacy Youth Leadership	<i>May 2023</i>
Voice Track LYL Under Legacy Youth Leadership	<i>May 2023</i>
Vote Track LYL Under Legacy Youth Leadership	<i>May 2023</i>
Committing to Diversity, Equity & Inclusion Rotary International Under Rotaract Club of the University of The Bahamas	<i>Mar 2023</i>
Safe Zone Trained Student Affairs Under University of The Bahamas	<i>Oct 2021</i>
Christian Life Coach LCTI Under Leadership Catalyst Training Institute	<i>Jul 2021</i>

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Honors and Awards

2024 Suzanne Black Student of the Year Award Financial Services Industry Under The Bahamas Financial Services Board	<i>Sep 2024</i>
Alumni Association Leadership Award Uni. of The Bahamas Under Uni. of The Bahamas	<i>May 2024</i>
Best International Product among others Live AI Harvard & Live AI Global Under Duke & Harvard University (University of The Bahamas Team)	<i>Apr 2024</i>
National Youth Awardee in Agriculture Division of Youth Under Ministry of Youth, Sports & Culture	<i>Oct 2022</i>
National Youth Organization of the Year Division of Youth Under Ministry of Youth, Sports & Culture Awarded to Rotaract Club of Uni. of The Bahamas	<i>Oct 2022</i>

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Education

University of The Bahamas	<i>Sep 2020 - May 2024</i>
<ul style="list-style-type: none"> • Bachelor of Business Administration, Computer Information Systems with Distinction • GPA: 3.53 	

Freedom School | Organization of Responsible Governance

Oct 2021

- Certificate of Participation, Civics
 - Demonstrates education in Bahamian citizenry

CRiT Summer School on Tourism & SDGs | Taylor's University

Jul 2021

- Tourism and Sustainable Development Goals
 - Demonstrates knowledge how to handle tourism during and after pandemic, and provide critical assessment of sustainable development goals

Government High School

Sep 2014 - Jun 2017

- Agriculture
- GPA: 3.62
 - Valedictorian
 - Headboy

Professional Skills

- **Leadership & Strategy:**
 - Team Management, Strategic Planning, Policy Development, Change Management
 - Event Coordination, Budget Oversight, Governance & Organizational Leadership
- **Communication & Engagement:**
 - Public Speaking, Training Facilitation, Stakeholder Engagement
 - Digital Communication, Conflict Resolution
- **Analytical Thinking:**
 - Survey Design, Data-Driven Decision Making, Report Writing
 - Performance Metrics, Policy Analysis, Strategic Evaluation
- **Project & Workflow Management:**
 - End-to-end project execution (planning, deployment, evaluation)
 - Workflow optimization, Agile iteration, Documentation & Contributor Guidelines