

Willie Conway

DATA ANALYST / SOFTWARE
ENGINEER

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Beaufort, SC, United States, 29906

SUMMARY

Experienced data analyst and software engineer with a strong foundation in applied analytics, system troubleshooting, and full-stack development. Over 230+ professional certifications earned through continuous learning across data science, cybersecurity, cloud computing, and DevOps. Known for cross-functional communication, military-grade discipline, and a track record of leveraging data and automation to drive impact across retail, military, and public sector environments.

SKILLS

Data Analysis	SQL
Excel / Google Sheets	Python
Software Troubleshooting	Cybersecurity Awareness
System Performance Monitoring	Version Control (Git)
Data Visualization (e.g. Tableau, Power BI)	Basic Web Development (HTML/CSS/JS)
Attention to Detail	Time Management
Problem Solving	Communication
Adaptability	

EDUCATION

Park University, Bachelor of Science, Computer Science and Information Science, Parkville, MO

2015 — 2020

- Achieved a GPA of 3.5/4.0

Park University, Bachelor of Science, Criminal Justice Administration, Parkville, MO

2013 — 2018

- Achieved a GPA of 3.4/4.0

EXPERIENCE

Store Worker, Defense Commissary Agency, Beaufort, SC

Jun 2012 — Current

- Analyzed inventory, POS, and transaction data to drive 30% improvement in stock accuracy.
- Created Excel-based tools to model sales performance and forecast demand.

- Proposed layout redesign using customer data, boosting transaction speed by 50%.
- Collaborated with marketing and ops to drive 40% increase in seasonal sales.

Criminal Justice IT Specialist (Intern), Beaufort County Detention Center, Beaufort, SC

Jun 2018 — Jul 2018

- Developed technical solutions to modernize digital workflows and improve system reliability.
- Conducted system audits that decreased security risks and improved uptime by 20%.
- Delivered training sessions to users on new system interfaces and protocols.

Assault Amphibious Vehicle Crewchief (AAV), U.S. Marine Corps, Camp Lejeune, NC

Apr 2008 — Apr 2012

- Operated and maintained high-stakes tactical vehicles under mission-critical conditions.
- Trained teams on safety protocols, mechanical diagnostics, and mission planning.
- Demonstrated rapid learning, adaptability, and technical skill in real-time problem-solving.

CERTIFICATIONS AND LICENSES

Over **230+ professional certifications** across data analytics, software engineering, IT, and cybersecurity. Highlights include:

Data & Analytics

- Google Data Analytics Professional Certificate
- IBM Data Analyst Professional Certificate
- IBM Data Science Professional Certificate
- Google Cloud Data Analytics Certificate

Software Development

- Meta Generalist Software Engineer Certificate
- IBM Full Stack Software Developer Certificate
- IBM DevOps & Software Engineering Certificate
- IBM Applied DevOps Engineering Certificate

Cybersecurity & Cloud

- IBM Cybersecurity Analyst Professional Certificate
- Microsoft Azure Security Engineer Associate (AZ-500)
- Google Cybersecurity Professional Certificate

Full badge portfolio: [Credly Profile](#)

PROJECTS

Global Superstore Data Modeling & Analysis

Sept 2024 – Personal Project

- Modeled and normalized a MySQL database with ER diagrams for global sales data.
- Designed interactive Tableau dashboards for real-time business insights.
- Conducted exploratory data analysis to identify trends in product sales and geography.

Little Lemon Database Management System

Sept 2024 – Personal Project

- Designed logical schema and physical implementation of customer/order system.
- Wrote advanced SQL queries (JOINS, subqueries, procedures) to handle operations.
- Used normalization to reduce redundancy and improve efficiency.

Facebook Ad Conversions – Linear Regression in Python

Oct 2024 – Personal Project

- Built and interpreted a linear regression model using Python.
- Conducted statistical testing (Shapiro-Wilk, residuals analysis).
- Visualized conversion behavior using Matplotlib and presented optimization strategy.

Retail Sales Dashboard & Trend Insights

2023 – Role-Based Case Study

- Created Tableau dashboards visualizing KPIs for retail performance.
- Analyzed customer demographics and buying patterns to guide promo planning.
- Integrated forecasting logic to assist with inventory prep.

TECHNICAL SKILLS

Programming & Scripting: Python, SQL, JavaScript, HTML, CSS

Data Tools: Excel, Google Sheets, Pandas, NumPy, Matplotlib, Seaborn

Visualization Platforms: Tableau, Power BI

Databases: MySQL, ER Diagrams, Normalization, Stored Procedures

DevOps & Cloud: Git, GitHub, Azure, Google Cloud, CI/CD Concepts

Security & Monitoring: Cybersecurity Basics, Threat Awareness, Systems Auditing

Other: Time Management, Technical Writing, Communication, Leadership, Adaptability

WEBSITES AND SOCIAL LINKS

Github: <https://github.com/Willie-Conway>

Portfolio Website: <https://willie-conway.github.io/Portfolio-Website/>

Carrd: <https://willieconway.carrd.co/>

Tableau Public:

<https://public.tableau.com/app/profile/willie.conway2396/vizzes>

LinkedIn: <https://www.linkedin.com/in/willieconway/>

HOBBIES AND
INTEREST

Coding Challenges & Personal Projects
Cloud Security, DevOps Automation
Reading and Listening to Tech Podcasts
Fitness & Discipline (Veteran Focused)

ACHIEVEMENTS

Military Awards & Recognitions

- Marine Corps Good Conduct Medal – for honorable service and exemplary discipline
- Afghanistan Campaign Medal (x1 Bronze Service Star)
- NATO Medal-ISAF Afghanistan
- National Defense Service Medal
- Global War on Terrorism Service Medal
- Sea Service Deployment Ribbon
- Recognition of ten years of service in Government of United States of America
- Honorable Discharge
- Rifle Qualification Badge (Expert)