

Mark Burns

mark.burns@markburns.tech

Phone Number: 315-921-1544

Professional Profile

Capable of learning from mistakes. Trained and proven in high-intensity, multinational, multilingual, and multifunctional environments, including high-security operating environments. Highly adaptable with a primary focus on the mission set utilizing an advanced technical background. There are few more capable of accomplishing the mission, especially in a time-sensitive environment. Basic proficiency of an unfamiliar job usually acquired within 60 days.

Awards

Eagle Scout from Boy Scouts of America, Academic Excellence Award for Graduate-level Project Management

Education (In Descending Chronological Order)

Western Governor's University – Masters in Science (MS) in Information Technology (IT) Management 2025-2026

1. Established core values and operating principles for organizational leadership, fostering a cohesive and values-driven work environment.
2. Formulated business problem solutions aligned with specific business needs, contributing to strategic decision-making.
3. Devised strategies for the development, management, and collaboration of culturally diverse inter-professional teams, enhancing teamwork and productivity.
4. Demonstrated expertise in describing the architecture and components of various operating systems, showcasing comprehensive technical knowledge.
5. Conducted in-depth analysis of information systems, evaluating objectives, scope, issues, and organizational impact, informing effective decision-making.
6. Effectively communicated technical details of complex topics to a knowledgeable audience, showcasing strong interpersonal and presentation skills.

Western Governor's University – Bachelor's of Science in Information Technology (IT) Management 2017-2019

1. Learned to successfully manage work and collaboration in culturally and geographically diverse teams, as well as foster a cohesive and high-performing environment.
2. Demonstrated proficiency in acquiring goods and services from external sources.
3. Skillfully articulated complex ideas, opinions, and information, highlighting connections and relationships, resulting in effective communication and a deeper understanding of team members.
4. Developed comprehensive project plans based on the agile project management strategies model, ensuring efficiency project execution, timely deliverables, and successful outcomes.
5. Demonstrated a strong ability to analyze relevant information, enabling the making of sound and pragmatic decisions that positively impacted organizational goals and performance.
6. Effectively communicated the fundamentals of networking and database concepts, linking them to data storage and interaction, promoting effective data management practices.

Cochise College – Associate of Art in Intelligence Operations Studies – 2017

1. Demonstrated knowledge of applicable laws, codes, and statutes as they relate to the intelligence community, control of sensitive information, and operations planning.
2. Analyzed and explained the history, tactics, structure, and technology used by spies, and discerned the methods used by the intelligence community to protect national security.
3. Explained the structure and function of the U.S. Intelligence Community. Research and differentiate among the threats that face the U.S. Intelligence Community.

Korean Language School, Korean Community Church in Charlottesville (2021-Present)

1. Learned the Korean writing system, basic grammar, and vocabulary in the adult-level class.
2. Courses taught by a former instructor from the Defense Language Institute (DLI)
3. Presented language skills multiple times in front of a general audience in public speaking.
4. Completed multiple final-level projects to demonstrate proficiency in standard Korean.

Python Coding Certification from General Assembly (2021)

1. Learned fundamentals of object-oriented coding, web development and data science. Completed hands-on projects of increasing complexity throughout the program.

2. Conducted an overview of different programming paradigms and languages. Learned objects, and the differences between objects and classes, and how to describe object-oriented programming.
3. Learned how to troubleshoot code, practice common debugging techniques, and increased proficiency by adding scripting, modules, and API's to the toolkit.
4. Built own custom application solving a specific problem. I had the freedom to tailor training by choosing a topic relating to my professional interests. Specifically, I used Jupyter Notebooks to import from a government database in order to sort, normalize, and process the data.

Army All-Source Intelligence Advanced Leadership Course (ALC 35F30) – 2019

1. Completed a job-specific performance-based and scenario driven training course that trained and evaluated a non-commissioned officer's ability to conduct and supervise intelligence analysis and solve multiple problem sets at various echelons during large-scale combat operations.
2. The course was an advanced-level professional military education for a military intelligence non-commissioned officer with an emphasis on leader development, functional training, and futures & concepts development while caring for subordinate soldiers, civilians, contractors, and their families.

Army Basic Leadership Course (BLC) – 2017

1. Learned to lead by example and model characteristics of the Army profession.
2. Used the attributes and competencies to become a better critical thinker and problem-solver.
3. Communicated skillfully and effectively both verbally and in writing to lead, supervise, counsel, coach, mentor, and build teams.
4. Used the Army's training principles to assess risk management and prepare an eight-step outline to conduct individual training.
5. Practiced mission command within the Army's approach to command and control by using troop leading procedures at the team-level.

Army Advanced Individual Training Course for All Source Intelligence Analysts (35F10) – 2017

1. Learned foundational knowledge and intelligence skills through hands-on classroom and field environments, including the Intelligence Preparation of the Battlefield, intelligence products, and briefing.

2. Applied critical thinking, research, and threat doctrine to realistic scenarios and briefings to senior officials to gain the full understanding of how intelligence supports the commander and operations.
3. Leveraged several digital systems such as the Distributed Common Ground System-Army (DCGS-A), multifunction workstation, capability drop-1 (Palantir), and command post computing environment.

Army Advanced Individual Training Course for Signals Intelligence Analysis (2011-2012)

1. Learned how to gather, sort, and scan intercepted messages to isolate valid intelligence from other materials.
2. Learned to perform initial analysis to establish target identification and operational patterns, identify, report, and maintain Signals Intelligence (SIGINT) and electronic order of battle (EOB) information in support of the commander's intelligence requirements.
3. Learned to use technical references to analyze communications and non-communications signals information.
4. Learned to operate automated data processing equipment for SIGINT collection, processing and reporting.
5. Learned to develop and maintain analytical working aids and databases to support target collection, identification, and location.
6. Learned to perform operator maintenance on surveillance systems, organic communications equipment, light wheeled vehicles and power sources.
7. Learned to assist in the emplacement, camouflage, operation, protection, and recovery of surveillance systems and associated equipment.
8. Learned to prepare technical, tactical, and time sensitive intelligence reports.

SUNY Potsdam – Studied for Bachelor in Business Administration and Economics and a minor in Arabic Studies (2006-2010)

1. Was a member of the Student Government (SGA) for three years as an elected representative of the student body
2. Was an active member of the SGA Constitution Committee, overseeing the rules and regulations of the SGA and ensuring the rules did not conflict with each other in a more than 150-page document, and assisted in the constitutions for more than thirty other groups within the SGA umbrella
3. Was an active member of the SGA Budget Committee, in part responsible for managing more than \$500,000 for a budget per year and over \$1,750,000 in assets

Work Experience

Crimson Phoenix, LLC – Knowledge Manager January-Present 2026

1. Maintained several websites in a high-security intranet environment.
2. Designed an internal database for more efficient information retrieval.
3. Assisted in establishing taxonomies and protocol for how data is captured, updated, and archived.
4. Tracked performance metrics to measure how effectively knowledge assets were being used.
5. Updated and organized file system for the project, including reducing clutter and archiving legacy information that had no place for the current status of the project.

Bluehawk Intelligence Services, LLC – Aerospace Engineer 2021-2025

1. Routinely delivered advanced technical reports within extremely condensed time frames with limited resource availability.
2. Provided engineering and scientific analysis support for end-user assessments of U.S. export license applications.
3. Provided engineering and scientific analysis support for risk assessments for technology transfer.
4. Provided engineering and scientific analysis support for foreign investment assessments.
5. Provided scientific and technology intelligence (S&TI) analysis to identify, assess, and warn about emerging and disruptive technologies potentially being transferred that enable next-generation foreign military capabilities.
6. Developed complex analytical approaches to problems and situations for which data is incomplete, controversial, or for which no precedent existed.
7. Developed innovative approaches to analysis and validate analytical conclusions and maintained and updated existing extensive intelligence databases, systems, and mechanisms for sharing relevant intelligence information to support on-going and projected projects.
8. Located, synthesized, and interpreted large amounts of textual and technical all-source intelligence information.
9. Prepared extensive written assessments and documents and disseminated information through reports and briefs.
10. Researched, analyzed, interpreted, evaluated, and integrated extremely complex all-source intelligence data pertaining to technology transfer subject areas.
11. Briefed and defended analytical outcomes and performed exploitation requirements in coordination with peers and customers throughout the Intelligence Community (IC).
12. Performed other job-related duties as assigned.

The Buffalo Group – Identity Intelligence Analyst 2019-Present

1. Assisted in maintaining and inputting Top Secret databases
2. Created tactical and strategic intelligence projects in order to provide force protection to U.S. personnel deployed overseas
3. Created specialized Identity Intelligence products to assist force protection to U.S. personnel overseas
4. Reviewed other analysts' work in order to be published
5. Used Unclassified, Secret, and Top Secret systems in order to provide for the mission, specializing in Top Secret data sets.
6. Translated Arabic from intelligence documents as needed

U.S. Army – Allsource Intelligence Analyst 2015-2019

1. Created and maintained a database with over 12,000 data points over the course of two years.
2. Worked independently as an outstation to the Defense Intelligence Agency's Afghanistan-Pakistan division for two years
3. Worked as the senior intelligence analyst in Detachment 2, 2200 Military Intelligence Group (DET 2) in Rome, NY for four years, falling under the National Ground Intelligence Center.
4. Supervised 1 junior enlisted soldier.
5. Conducted 9 training tests as the Non-Commissioned Officer in Charge (NCOIC)
6. Was the temporary NCOIC of DET 2 for four months
7. Ensured the completion of four strategic intelligence products for the National Ground Intelligence Center (NGIC)
8. Created DRAWs to ensure the function of mission
9. Was the NCOIC of multiple convoys between Syracuse, NY and Mattytale, MA
10. Trained 8 soldiers in intelligence tradecraft
11. Acted as the full-time unit coordinator for DET 2, providing daily unit support
12. Completed and published multiple intelligence products, including 6 authored and more than 30 contributed publications

U.S. Army – Signals Intelligence (SIGINT) Analyst 2011-2015

1. Trained SIGINT analysts, to include those of a higher rank in geopolitical events and tradecraft during weekly training events for nine months in Fort Gordon, GA
2. Was the company orderly during the primary company orderly's leave for one month in Fort Gordon, GA
3. Conducted the maintenance of multiple military intelligence vehicles for the company for nine months in Fort Gordon, GA

4. Was the Training Non-Commissioned Officer for the Battalion in Camp Humphreys, South Korea for 3rd Military Intelligence Battalion, Aerial Exploitation (3rd MI) for fourteen months
5. Received Certificate of Achievement (COA) for Safety for driving for two years without a safety incident
6. Sent over 350 people to training schools within the span of fourteen months, sending more people to schools than the rest of the Brigade combined in the same time frame without paperwork error.
7. Was the Assistant Ammunition Manager for the Battalion for 3rd MI for eight months, managing over \$600,000 of hazardous materials and supervising a monthly ammunition mission for pickup and dropoff to the Ammunition Supply Point (ASP) outside the base in a foreign language environment in South Korea
8. Conducted 56 vehicle dispatch missions to ensure the readiness of the vehicles and potential for emergency dispatch for the battalion's ammunition mission
9. Was the traffic control operator (TCO) for intelligence information in the Field Station Korea (FSK) for B Company, 3rd MI for four months, delegating tasks to the station's analysts in real time as information came into the systems to be disseminated
10. Conducted SIGINT analysis in real time for ten months in South Korea
11. Lead a detachment of training soldiers in the Field Training Exercise (FTX) in Goodfellow Air Force Base in Texas to victory in a "No win scenario" exercise with thirteen soldiers after units of seventy-two strong including rangers and special forces had failed
12. Trained soldiers as Opposing Force (OPFOR) member for four months in Goodfellow AFB
13. While training soldiers, was designated as the Field Training Site's equipment technician due to being able to maintain and fix all of the training tools on the FTX site

Alex Bay Taxi - 2008-2009

1. Was the Chief Finance Officer of Alex Bay Taxi, assisting the owner in overseeing more than \$52,000 in income and more than \$30,000 in assets
2. Assisted in transporting people to and from destinations with no accidents.
3. Trusted to handle cash and payments for the business.

Fineview Mini Mart - 2005-2006

1. Handled multiple highly regulated and hazardous products in support of the business.
2. Trusted to handle cash flow for seasonal and non-seasonal operations.
3. Assisted in the procurement of goods for the business.

Certifications Held

OS302, OS301, Active TS//SCI Clearance, Counterintelligence Polygraph (CI Poly), Certification in Python Coding from General Assembly, DIA Analytic Writing, TAMIS, NROC Systems familiarization

Computer Languages

Python, Java, HTML5, SQL, VBA, PHP

Foreign Languages

Korean – Conversational, Arabic – Familiarity with writing system, Spanish - Basic

Tools Used

MS Visual Studio Code, IDLE, Eclipse, Netbeans, Metasploit, Wireshark, Microsoft Office, Excel, Word, Power point, Access, Panopto, Skillsoft, Palantir, Citrix, VmWare, Outlook, Sharepoint, TOR, Open Office, VPN, Analyst Notebook, Libre Office, Ubuntu Linux, Jupyter Notebooks, Google Patents, Justia Patents, Google Scholar, dataminr, S-1, github, IEEEExplore, datasplloit, Blender, FreeCAD, MS Access VBA, and others.

Skills

Database administration and manipulation, troubleshooting, nMap, direction finding, accounting, teambuilding, military intelligence analysis, identity intelligence, analysis, presentations, penetration testing concepts, relational databases, simple machine learning, quantum computing architecture, space-based orbital mechanics, quantum sensing, high-bandwidth memory architecture, quantum communications, large language model architecture, augmented reality architecture, virtual reality architecture, mixed reality architecture, large geospatial modeling; tactics, techniques, procedures, CAD, aerospace systems design, rotary UAV design, magnetic coefficient manipulation, brushless motor design, and others.