Miguel Nieves

(607) 608-5715 • linkedin.com/in/m6n6 • hi@WhereIsMiguel.com

PROFESSIONAL SUMMARY

Results-driven leader with over a decade of experience managing multimillion-dollar programs, leading diverse teams of up to 120 personnel, and driving innovation in AI, data science, and LLM technologies. At Microsoft, contributed 7,000 lines of production-ready code to enhance Text-to-SQL solutions, integrating cutting-edge AI features and industry benchmarks, delivering actionable insights and improved enterprise performance. Successfully managed $236M in U.S. Marine Corps supply programs and a $94M foreign military sales initiative in Iraq. Certified PMP with expertise in OpenAI models, natural language processing, and rapidly shipping impactful solutions under tight deadlines, known for pioneering cross-regional AI initiatives.

EXPERIENCE

Corporate Fellow   Jan '24 - Present

Microsoft | Remote

- Contributed **7,000 lines of production-ready code** to Microsoft's product for AI-powered query processing.
- Enhanced Microsoft's Text-to-SQL solution by **introducing advanced features** like date disambiguation and question decomposition, improving query accuracy, cache efficiency, and usability for Microsoft's enterprise clients.
- Implemented the gold-standard Spider benchmark for Text-to-SQL evaluation, customizing SQLite to integrate with Microsoft's solution. This provided the Text-to SQL team with **the first meaningful performance insights**, enabling validation and iterative improvements aligned with industry standards.
- **Led cross-regional side projects** uniting EAG teams in APAC and the US for Small Language Model (SLM) applications, driving discussions on automating Azure policy enforcement, and shadowed on a computer vision feasibility study for a Microsoft client, developing a proof-of-concept for human presence detection.
- Rapidly upskilled to ship production-ready code, overcoming a steep learning curve to deliver impactful results in just three months. Demonstrated **exceptional adaptability and perseverance** by delivering valuable contributions despite unexpected policy changes that shortened the fellowship time by half and delayed access to internal systems.

Program Manager   Jan '16 - Dec '24

U.S. Marine Corps | U.S., Iraq, Korea, and Japan

- **Led 100+ Marines** during exercises in the Philippines, managing equipment valued over $1.6M, coordinating $192K in services, and expediting 188 critical repair parts.
- Became the **go-to expert in Iraq for several military C-level executives** after synthesizing nine years of data for the first time, directly supporting their negotiations with senior Iraqi officials.
- Mentored and **supervised a team of 25 Marines**, while overseeing all **supply chain operations**, equipment accountability, and budget execution of a Marine Corps battalion in California.
- **Strengthened U.S.-Iraq ties** while managing a **$94M** foreign military sales program to enhance Iraq's most-trusted military force, bolstering stability in Iraq and Syria.
- Designed and implemented a digital tool to optimize resource allocation and maintain operational readiness, while responsible for a **$3M** annual budget and **$236M** worth of equipment.
- **1 of 2 officers selected among 1400 peers** for a prestigious cultural immersion program, fostering strong international relations through advanced language training and a Master's degree in Seoul.
- Exceeded expectations while concurrently fulfilling two demanding roles in Okinawa, Japan, **typically assigned to more senior officers**, demonstrating superior leadership and logistical expertise.
- Consistently recognized as a **top-ranking** lieutenant while managing **$102M** in assets and excelling during inspections, thereby contributing to operational readiness of a Marine Corps battalion in Okinawa.
- Coordinated a **rapid deployment** to Guam, resulting in a successful COVID-19 relief mission within 96 hours.

Data Scientist, Organ Transplantation   Jan '14 - Jan '15

Johns Hopkins School of Medicine | Baltimore, MD

- Developed data models that predicted liver transplant success rates based on various patient and organ factors, providing actionable insights that helped **optimize the liver allocation process** for transplantation.
- Collaborated with surgeons, transplant coordinators, and data analysts to ensure that research findings directly contributed to **improving patient outcomes** and operational efficiency.
- Optimized triage procedures using data-driven methods based on findings from three **field experiments.**
- Allied with healthcare professionals and hospital administrators to ensure the seamless integration of new protocols, **reducing average patient wait times** and improving overall emergency room efficiency.

EDUCATION

Master of International Studies; Major in East Asian Studies   Jan '21 - Dec '23

Sogang University | Seoul, South Korea

Bachelor of Science, Major in Operations Research; Minor in French   Jan '12 - Dec '16

U.S. Naval Academy | Annapolis, MD

- Summa Cum Laude | 3.93 GPA | Top 6% | Awards: INFORMS Society Prize, LCDR Maas Prize
- Selected as 1 of 10 students to conduct independent research

PROJECTS

- MilitaryCardCoach.com: App for military members to get over $10k/year in free travel, guaranteed
- Automated Lead Generation, Cold Outreach, and Sales for WhiteFeatherInvestments.com and Ubq.fi
- Owner of Simple Feds LLC, a government contracting business specializing in software and consulting
- Owner of Cozy Homes LLC, a real estate company that provides affordable housing for low-income families
- WhereIsMiguel.com: Personal website and blog
- Airbnb Superhost for over 2 years

KEY SKILLS AND CERTIFICATIONS

- **Technical Skills**: LLM Engineering, Artificial Intelligence (AI), Machine Learning (ML), Natural Language Processing (NLP), Data Science, Data Analytics, Data Visualization, Python, R, SQL, HTML, JavaScript (JS), CSS, Microsoft Azure, Microsoft 365, Power BI, MATLAB, Jupyter Notebooks, Git, Docker.
- **Certifications**: Project Management Professional (PMP), Critical Skills for Analytics Professionals (CSAP), Lean Six Sigma Green Belt.
- **Project Management**: Agile Methodologies, Waterfall, Stakeholder Engagement, Cross-Functional Team Leadership, Budgeting, Risk Management, Change Management.
- **Languages**: French (Professional Proficiency), Spanish (Professional Proficiency), Korean (Intermediate Proficiency).
- **Soft Skills**: Strategic Planning, Problem Solving, Communication, Adaptability, Collaboration, Innovation, Leadership.