

# Anthony Kim

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## Skills

- Project and Database Management
- Linguistics
- Data Analysis (concentrated on military technology and personnel)
- Risk Management (Mission planning and Operational Security for Aircrews)
- Middle Eastern Military Doctrine (concentrated on terrorist organizations)
- Policy Planning
- Corporate Finance (Accounting/Ledger Management)
- Financial Document Review (AMEX transactions)
- Classified Material Handling
- Weapons Handling (Firearms, HF/VHF Radios)
- Electronic Attack and Counter-Drone Operations
- Former Top Secret Clearance with SCI and NSA Full-Scope Polygraph

## Languages

- Arabic
- Korean

## Technicals

- Python, R, C++, SQL

# Professional Summary

Detail-oriented and mission-driven data analyst with a diverse background in operational intelligence, financial auditing, and biomedical research analytics. Six years of experience leading cross-functional teams and synthesizing complex data into actionable insights for senior decision-makers, with expertise in data visualization, database management, and predictive analysis. Skilled in Python, R, SQL, Excel, and Oracle Hyperion, with applied experience in machine learning techniques, trend analysis, and data-driven process optimization. Proven ability to build data pipelines, streamline large datasets, and support strategic initiatives in dynamic, high-stakes environments. Dedicated to leveraging analytical rigor and interdisciplinary research experience to deliver impactful, data-backed solutions in the private sector.

## Education

### Columbia University

Bachelor of Arts in Applied Mathematics

Expected Graduation: May 2026

**Relevant Coursework:** Ordinary/Partial Differential Equations, Analysis and Optimization for Economics, Numerical Methods in Python, Econometrics, Applied Machine Learning  
**Planned Coursework:** Stochastic Modeling, Natural Language Processing, Artificial Intelligence  
**Student Clubs:** Military Veterans of Columbia University (Milvets), Columbia Quant Group

## Work Experience

### Summer Data Analyst Intern

Columbia University Irving Medical Center, New York, NY

June 2024 - August 2024

- Applied data analytics and machine learning techniques to convert raw DNA sequences into visual graphics, integrating research findings using R and Python.
- Cleaned and streamlined cancer index datasets (ranging from 50 to 150 GBs) from the Genomic Data Commons (GDC) and The Cancer Genome Atlas (TCGA), identifying patterns and supporting potential treatment approaches for prostate cancer.
- Cataloged around 100 current industry, scientific, and regulatory developments relevant to the laboratory's experimental portfolio to support ongoing research initiatives.

### Summer Controller Analyst

Jefferies Investment Bank, New York, NY

June 2023 - August 2023

- Designed and deployed an Excel-based automation tool for American Express account reconciliations, introducing new data processing protocols that reduced reporting turnaround time from two full workdays to half a day.
- Conducted audits and risk assessments on delinquent customer accounts, applying temporal trend analysis through Excel and Oracle Hyperion (SQL-based) to drive data-driven insights and safeguard margin maintenance.
- Completed trade logs, reconciliations, and account analyses to prepare quarterly financial reports and transaction ledgers, leveraging data validation techniques to detect financial discrepancies caused by software errors.
- Led multinational controller teams across the United Kingdom and India, using performance metrics and operational data to drive \$150K in cost savings and support growth initiatives in the Global Equities Market.

### Airborne Cryptologic Language Analyst (Arabic Linguist)

United States Air Force, Tucson, AZ

September 2016 - September 2022

- Analyzed coded communications, translated intelligence data, evaluated major weapon system trade-offs, and supported mission planning to enhance the effectiveness of U.S. electronic attack operations over six years of service.
- Led cross-functional teams of linguists, acquisition specialists, and intelligence analysts in developing an integrated operational database, aligning strategic and tactical objectives while improving performance tracking and logistical coordination.
- Synthesized multi-source intelligence data, including inputs from foreign partners, to produce analytical reports that expanded strategic options for senior leaders targeting militant networks across the MENA region.
- Supported counter-drone operations across the Arabian Gulf, leading the geospatial tracking and analysis of over 120 hostile surveillance and strike drones to protect U.S. and allied forces.