

# Brian J. McAbee

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Top Secret/SCI clearance • Counterintelligence (CI) Polygraph

## EXPERIENCE

**Senior Data Analyst** – April 2020 – Present

**Defense Intelligence Agency (DIA) | Washington, D.C. | via Cherokee Federal**

- Leads and manages team of analysts to identify and improve inefficient collection management practices within DIA's Defense Collection Management Enterprise
- Continuously refines collection management ETL practices by building automated programs in **Python** with **Pandas** and **NumPy** to exponentially decrease rudimentary task execution times of collection management personnel
- Manages ad hoc visualization requests from both government and contractor leadership via **Tableau Dashboards**, **Python's Matplotlib** and **Seaborn** libraries, as well as various **Microsoft Office** tools (**PowerPoint**, **Excel**)
- Conducted research and created presentations to aid in the development of new DIA data architectures

**Mid-Level Collection Requirements Manager (CRM)** – December 2019 – June 2020

**Defense Intelligence Agency (DIA) | Washington, D.C. | via Cherokee Federal**

- Created data products to address intelligence collection shortfalls for DIA's Europe/Eurasia Regional Center
- Researched, validated, and submitted HUMINT, SIGINT, and GEOINT DIA collection requirements
- Collaborated with other U.S. and other foreign partner intelligence agencies on the collection, exploitation, and production of DIA intelligence collection requirements along with supporting reports and products
- Implemented processes to provide comprehensive all-source intelligence collection support

**Production Manager** – March 2017 – December 2019

**Defense Intelligence Agency (DIA) | Pentagon, D.C. (J2) | via Intrepid Solutions and Services, Inc.**

- Lead production manager for the Chairman of the Joint Chiefs of Staff (CJCS) Intelligence Update Brief
- Oversaw multi-functional teams of analysts and technical editors to produce over 2,200 time-sensitive products
- Ensured workflow adhered to strict time deadlines on a daily basis
- Created automated workflows to assist in declassification efforts in order to optimize efficiency

**Signals Intelligence Analyst** – April 2015 – April 2021

**Maryland Army National Guard | Laurel, MD**

- Evaluated Intelligence Information Reports (IIRs) to support HUMINT collection in AFRICOM's AOR
- Created Source Directed Requirements in **CHROME** to drive collection and bridge intelligence gaps in AFRICOM's AOR
- Conducted trend/traffic analysis by querying relational databases with **SQL**, utilizing **ArcGis** technologies, and mapping patterns of life with **Analyst's Notebook** to create enemy target packages and triangulate locations

## PERSONAL PROJECTS

**Maryland COVID-19 EDA**

- Preliminary exploration of COVID-19 data in the state of Maryland from the March to early-November 2020 in Python
- Link: [https://github.com/brianmcabee/md\\_covid\\_19\\_eda](https://github.com/brianmcabee/md_covid_19_eda)

**The Movie Database EDA**

- Analysis on the The Movie Database (TMDb) aiming to address various questions based off preliminary analysis in Python
- Link: [https://github.com/brianmcabee/exploring\\_movies\\_with\\_TMDb](https://github.com/brianmcabee/exploring_movies_with_TMDb)

**U.S. Powerlifting Data Aggregation**

- Python script to extract data from Unequipped American Powerlifters from 2015-2020
- Link: <https://github.com/brianmcabee/Aggregating-Recent-American-Powerlifting-Data>

## EDUCATION

**Bachelor of Science in Computer Science (2020)**

- University of Maryland Global Campus: Washington, DC

## TECHNICAL PROFICIENCIES

**Languages:** Python, JavaScript, HTML/CSS, SQL

**Frameworks and Libraries:** Pandas, NumPy, Matplotlib, Seaborn, BeautifulSoup, Node.js, EJS, Bootstrap

**Tools:** Microsoft Excel, Word, & PowerPoint, Git, Jupyter, Tableau, Anaconda, MongoDB, SQLServer, CHROME, ArcGis