Brian VandenAkker

Employment History

Junior Data Scientist, MetaPhase Consulting

AUGUST 2020 — PRESENT

Developed and tested financial reporting tools for the State Department within an agile framework where there was a strong focus on client feedback and interaction to ensure a high quality and useful end product. This included developing a novel security solution to the financial reports.

Specialized in identifying various reporting flaws which existed in production and implementing quick solutions.

In addition to these primary tasks, developed a business development monitoring solution (ETL, Dashboard, and Data Quality monitoring) used by upper management to inform key business decisions.

Intelligence Chief & Platoon Sergeant, United States Marine Corps

MAY 2013 — JUNE 2020

Responsibilities included the daily management and guidance of 10 Intelligence Specialists in support of the Battalions intelligence requirements, maintaining expert situational awareness of our areas of operation and accounting for over $2.4 million worth of equipment.

Notified and advised the commanding officer and battalion staff on operationally critical events which occurred in and around the INDOPACOM region during the first half of fiscal year 2020.

Honors & Awards: Navy and Marine Corps Achievement Medal

Projects

COVID-19 Open Research Dataset Search Engine

The search engine utilizes latent Dirichlet allocation to generate a probability distribution of topics from the corpus for each abstract in the CORD-19 Dataset. The probability distributions are used to find other similar documents which are generated on a user interface using Plotly, Dash, and Flask.

Education

Master of Science in Economics, Boston College

SEPTEMBER 2018 — MAY 2019

GPA: 4.0

Bachelor of Arts in Economics, Minor in Mathematics, Merrimack College

SEPTEMBER 2014 — MAY 2017

GPA: 3.96

References

References available upon request

Details

(774) 280-6969

brian.m.vandenakker@gmail.com

Links

Website

Github

Skills

SQL

Dashboarding (Tableau, PowerBI, Plotly/Dash)

Python

JavaScript

Node.js

R

React

Solidity

Scikit-Learn

TensorFlow

Keras

Flask

Unsupervised Learning

Supervised Learning

Probability/Statistics

Git & Version Control

DevOps