**Elijah Goodrich** **Clearance:** Top Secret

**Level:** Senior Consultant **Residence:** Colorado Springs

**Email:** Elijah.goodrich92@gmail.com **Willing to relocate:** Yes

**Cell:** (682) 323-6114 **% Willing to Travel:** 100%

**Work:** (703) 666-8705 **Last update:** 08/17/2023

**EXPERIENCE SUMMARY**

Accomplished business analyst, data scientist, and operational leader, leveraging expertise in data-driven metrics to support professional development and operational growth to drive process improvements. I have experience providing feasible data for organizations, supporting broker option executions on back-end infrastructure, analyzing data, and providing enhanced tools and services to streamline transactions. Currently, serving in the United States National Guard, developing new and improved methods of integrating AI and technology to support Army requirements.

**GitHub**

[Hexabyte117/My-Projects (github.com)](https://github.com/Hexabyte117/My-Projects)

**COMPETENCIES**

|  |  |
| --- | --- |
| * Computational Physics (7 yrs) | * Sales Strategy (5 yrs) |
| * Research and Analysis (7 yrs) | * Quality Assurance Testing (5 yrs) |
| * Research and Facilitation (2 yrs) * Business Intelligence (BI) Tools (3 yrs) | * Data Analysis (7 yrs) * AI (2 yrs) |
| * Client Relations & Engagement (5 yrs) | * Process Improvement (5 yrs) |

**SUMMARY OF SKILLS, TOOLS, AND TECHNOLOGIES:**

**Programming Languages:** Mathematica (7 yrs), Matlab (5 yrs), SharePoint (5 yrs), Python (3 yrs), C++ (2 yrs), C (2 yrs), SQL (2 yr), C# (2 yrs), Pytorch (1 yr), OpenAI (1 yr)

**CI/CD:** Github (3 yrs), Gitlab (1 yrs), Cloud Google (1 yrs)

**Software/COTS:** Anaconda (3 yrs), Tableau (2 yrs), Visual Studio (5 yrs), MySQL (1 yrs), Databrinks (1 > yrs)

**Operating Systems:** Windows (10 yrs),Linux (4 yrs), Windows (3 yrs)

**Libraries:** Numpy (3 yrs), Pandas (3 yrs), Scikitlearn (3 yrs), NLTK (3 yrs), Matplot (3 yrs), Yahoo api (3 yrs), Quant (2 yrs), Sklearn (1 yr), SpaCy (1 yr)

**CERTIFICATES**

Learn HTML Course, Learn SQL Course, Bloomberg Market Concepts, Tech Excellence Data Science, Master statistics & machine learning: intuition, math, code, Computational Physics: Scientific Programming with Python, Scalable Machine Learning with Apache Spark (Private Partner), Artificial Intelligence Masterclass, Artificial Intelligence A-Z™ 2023: Build an AI with ChatGPT4

**EXPERIENCE DETAILS**

**Booz Allen Hamilton, Inc., Senior Consultant/ Data Scientist 1/2023 - Present**

San Antonio, TX

**Technical Excellence Data Science**

* Completed an intensive course that provided foundational knowledge of Data Science tools such as Pythons programming language, Tableau, and git/GitLab
* Used Git and GitLab as a CI/CD for DevOps that allowed me to build, test, and deploy models and algorithms
* Utilized Python programming language for the tasks of EDA, Data cleaning, Data Wrangling/Manipulation, Data visualization, and Machine Learning models
* Used libraries such as Numpy, Sklearn, Seaborn, and MatplotLib

***Major Accomplishments:***

*Completed a three-category classification model for drop out, enrolled, and graduate (college students) and created parameters to determine students’ likeliness of fitting into those three classifications.*

**Spacecom ADA, Data Scientist/ Senior Consultant 4/2023 - Present**

* Using ADVANA and Databricks to provide visualization
* Present and effectively communicate data visualization and analysis to clients
* Developed algorithms to build logically consistent models with predictive capability

***Major Accomplishments:***

*Provide invaluable data for decision making for higherups and build a dashboard for visualization.*

**Apex Fintech Solutions, Senior Business Analyst 11/2021 - 4/2022**

Chicago, IL

* Transformed data-driven metrics into actionable solutions and strategic plans, furthering the mission and objectives of the business
* Analyzed contracts and provided traceability analysis, utilizing BI tools and database information to cultivate insight and improve negotiations
* Supported M&A activities by compiling reports and data from Salesforce into strategic analysis, delivering recommendations, and influencing critical stakeholder decision-making
* Enhanced operations by building robust financial models and innovative reporting tools, proactively identifying potential challenges, improving contract negotiations and renegotiations strategies, and integrating tighter controls to create cost savings
* Implemented automation and efficiency throughout the organization, replacing manual, antiquated procedures with processes that improved reporting and delivered real-time results to key stakeholders

***Major Accomplishments:***

*Drove compliance standards, cost savings, and developed strategic solutions to long, lingering business challenges based on data-driven metrics and business analysis.*

**University of North Texas, Researcher 8/2014 - 5/2021**

Denton, TX

* Conducted Army research lab work at the non-linear science building, awarded acceptance by the DoD of two proposals:
  + Modeling Squad Based Dynamics, non-linear science
  + Identifying Deception Through Swarm Intelligence
* Selected by AI Department to deliver improvements in the utilization of gesture recognition technology, facial structures, and overall movement
* Enhanced mobility wearables in a joint partnership with AI and Biomedical Engineering departments
* Executed biopharmaceuticals and nanomedicine research, directing stem cell research to encourage tissue engineering along with research in nanoparticles
* Served as the lab facilities manager, providing guidance and assistance to students by teaching lab courses to university students determining stem cells via nano-patterns at Dr. Meckes’ lab: Biophysical Systems; Nanomedicine, Stem Cell differentiation; Neuro-Engineering drug delivery.
* Researched Magnetobound protonium for CERN funded by Department of Energy & Modeling Anti-hydrogen
* Modeled anti-hydrogen and how it would behave as well as characteristics to analyze what would happen with particle trajectory of a proton and antiproton

***Major Accomplishments:***

*Served the higher education institution as a researcher, performing algorithm development, quality testing, document, code writing, quantum computing, and convex geometry.*

**Elbit Information Systems of America, Program Manager Intern 4/2013 - 2/2014**

Fort Worth, TX

* Developed a solid skillset in government contracting, finance and logistics sales, and conducted the full sales lifecycle
* Contributed to Skylark project and partnered with mentors to oversee $150MM in current contracts, pursued potential sales, negotiated contracts, and identified opportunities to expand operations
* Collaborated with a team and learned how to manage a group in a private military company

***Major Accomplishments:***

*Contributed to an important project (Skylark) that debuted on the Discovery Channel.*

**Army National Guard, IT Specialist 3/2018 – Present**

Wiley, TX

* Supported NIPR and SIPR stacks for end-to-end encryption.
* Improved CPN Stacks across the installation supporting over 40k soldiers base wide.
* Cross trained and maintained satellite transportable terminals to establish communication for entire military installations.

*Major Accomplishments:*

*Trained for 5 years improving army instrumentation of equipment and secured end to end encryption.*

**EDUCATION**

MBA, Southern Methodist University, Present

MS, Data Science in Finance, Purdue, Present

MS, Biomedical Engineer, University of North Texas, 2021

BS, Mathematics, University of North Texas, 2018