

COREY ATKINS

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Qualifications Summary

A dedicated computer science graduate, seeking to use proven analytical and critical thinking skills to improve address national security needs. I am self-driven to learn new tools and techniques that will allow me to become an efficient scientist. I am also team-oriented, where I can collaborate with colleagues to solve challenging problems. I have more than 3 years of experience in C++ and more than 1 year of experience in Python. I have created multiple machine learning projects ranging from decision tree classifier to natural language processing. I have also received an online certificate in Machine Learning, taught by Andrew Ng.

Clearance:

Active TS/SCI w/Polygraph

Education:

BS in Computer Science

May 2018

University of Maryland Baltimore County, Baltimore, MD

Technical Experience

Intermediate Skills

C/C++ | Python | x86 Assembly | Linux | Windows | WinSCP | PuTTY | Notepad++ |
Scikit-learn | Pandas | Matplotlib | NumPy | SciPy | MATLAB | R

Entry-Level Skills

Agile & Waterfall methodology | Lisp/Scheme | Perl | Prolog | HTML | Java | MySQL |
Linux Kernel | Unix Shell Scripting | Qt | Tkinter | X Windows System | Codeblocks |
Eclipse | Visual Studio | Juniper

Professional Experience

Junior Data Engineer/Scientist

Alku Government Solutions

August 2018 – Present

Tysons, VA

- Data Science
- Data Science
- Data Science
- Data Science

Certifications

Machine Learning. Completed August 2018 at coursera.org

Taught by Andrew Ng, Stanford University

Projects

Regression Decision Tree

May 2018

I created a Python program, using pandas and numpy, which took the original Titanic data and predicted the outcome of survival. I used a regression classification algorithm to determine the entropy and the confusion matrix for the likelihood of survival. After adjusting some variables, I was able to get a survival rate of 65%.

Natural Language Processing

May 2018

I created a Python program, using pandas and scikit-learn, that found the most important topics in a document. After searching over 500 articles in a document, I used the term frequency-inverse document frequency algorithm to find the frequency of topics in a document and rated how important they were. I then displayed those topics in a word cloud format.