

# Caitlyn Carver

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## Experience

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### Data Science Intern @ ManTech International

Jun 2019 – Present; Reston VA

- Created a Data Analytics platform that was wide used by the company, Software Architecture
- Project: ISIS and Al-Qaeda Emotion Analysis, using clustering and lexicon database, analysis behavioral patterns between entities, using technology, python (pandas), NLTK, Numpy, Scipy, and lexicon NRC API

### Software Engineering Intern @ Samraksh Company

Jun 2015 – Aug 20; Leesburg VA

- Worked on an alarm system for sensing deer that used displacement sensing
- Programmed (C#) and worked with electrical circuits, electrical systems, radar displacement, and hardware to software debugging

## Projects

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### My Website – Caitlyncarver.github.io

May 2019

- Programmed in CSS, HTML, Javascript, different API's
- Holds most projects through internships
- Multi layered website, in progress and add more features in the future

### Data Analytics Summer Project– Al-Qaeda vs ISIS clustering

Aug 2019

- Programmed with python, pandas, Html, CSS, D3
- Packages included NLTK, SQLite3, scipy, sklearn, matplotlib, BeautifulSoup, lexicon
- Methods: algorithms, modeling, Vector Space Model, Web scraping, Regex, Tokenization, DataFrame manipulation, Hierarchical Clustering, Dendrograms, Visualization.

### Where Am I From– Game

Aug 2019

- 1-day game hackathon project, was created to influence racial awareness
- Worked in Phaser, Javascript, HTML

## Education

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### George Mason University

Aug 2016 – Expected 2021

B.S. in Computational and Data Science

Minor: Computer Science

### Relevant Coursework

Statistics for Engineers I & II

Data Structures & Algorithms

Modeling and Simulation

Data Visualization

Linear Algebra

Data Mining

Databases

## Skills

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### Languages

HTML, CSS, JavaScript,

ReactJS, Python, C, Java, R

### Tools & Frameworks

React.js and AWS

lambda

### Data Science Tools

Scipy, Pandas, Numpy,

NLTK, Sklearn cluster,

Matplot, Apache Spark,

SQL

### Cloud

AWS EC2

### System Administration

Linux, Windows, MacOS

### Other

Mongodb and SQLite

Github.com/Mentaltrain