**Objective:**

Solutions oriented data scientist and software developer looking for a project oriented position that leverages Python and data science experience to further develop my skills and challenge myself to become a better problem solver.

**Work Experience:**

**July 2020- Present**: ITCurves

**Data Analyst/Software Engineer**

* Assist with the development of multiple software projects using python for clients and in-house operations
* Manage and oversee development of software projects for customer use
  + For example, designed and oversaw implementation of a planning and simulation tool for transit operations
    - Worked with the project from project idea to implementation
    - Oversaw development and worked on evolving the functionality
    - Continuously added new ideas to increase functionality and ease of use
    - Managed two employees for the actual development of the software system
  + Also, oversaw the implementation of existing and new software for a new client
    - Worked with a new client to implement an existing system deployed for the new customer
    - Also worked to oversee the creation and implementation of new software to improve overall functionality of the existing system
* Utilize Microsoft Power Bi to analyze client and company data to quantify and display business operations
* Manage a group of developers for software development projects
  + Created a facial recognition system for customer use
    - Worked on a team to build a service for customers to be recognized
    - Built an API to be used for the implementation of the system
    - Managed a team of 3 individuals throughout creation of the system
* Supervise a team of developers to implement Power Bi as a reporting software for in-house operations and clients
* Collect and combine data from multiple sources to perform data evaluation and statistical inference
  + For example, implemented reporting using Microsoft Power BI
    - Created interpretable visuals to complement reports
    - Transitioned existing reporting system to a more functional and user friendly system
    - Extracted data for company reports from large existing databases.
    - Deliverables include expense reports, call center reporting, business analysis, etc.
    - Examples: <http://dstoner05.github.io/Presentation/index.html>
* Develop analytic plans, engineer supporting algorithms, and design and implement solutions which execute analytic plans
  + For example, created a scheduling algorithm with a GUI for visualization
    - Python application using Pygame
    - Led sub-project independently to develop a scheduling algorithm with a GUI to display the algorithm utilized as part of a larger project in collaboration with ITCurves.
    - Created algorithm that schedules vehicles in the most effective manner for a rental car business scenario
    - Located in Github repository under Python Development Work heading
* Analyzing data using mathematical/statistical methods
* Evaluating, documenting, and communicating research processes, analyses, and results to customers, peers, and leadership
  + For example, presentations regarding report analysis feasibility through the Microsoft Power BI service

**Education:**

Bachelor of Science: Information Science

University of Maryland, College Park **December 2020**

**Related Experience:**

**Created User Guide and Example Data Cleaning and Analysis for CDC Dataset (Fall 2020)**

* Uncovering and exploring anomalous data
  + Used data cleaning methods to clean CDC dataset
* Created a user guide to help users understand CDC open dataset
* Created sample data visualizations for users
* Worked with a team to deliver an extensive user guide, and sample data cleaning and analyses
  + Sample analyses: https://dstoner05.github.io/490%20Project/index.html

**Webscraper with email** **alerts** (April 2020)

* Python application – Beautifulsoup, Email.Mime
* Developed a webscraping application for stock prices to notify the user when the stock fluctuates a certain percentage amount
* Program monitors multiple stocks and sends different messages based on fluctuations in any of the stocks being monitored
* Located in Github repository under Python Development Work

**Random Password Generator** (Nov 2021)

* Created script that makes any length random password with random number of uppercase and lowercase letters, numbers, and special characters, based on a given length input
* Saves the passwords to a file, and they are encrypted when saved
* Located in Github repository under Python Development Work

**Dynamic webpage** (Fall 2019)

* Worked in a team environment to develop a site using a back-end API to allow users to interact with county datasets of home inspection data
* HTML, CSS, Javascript
* https://home-check-app.herokuapp.com/

**Relevant Coursework:**

* Computational Theory
* Principles of Object Oriented Programming
* User System Design
* User Interaction
* User Experience
* Project Development and Testing
* Networking
* Website Development
* Agile/ Scrum Methodology
* Client Facing Project Development

**Technical Skills**

**Programs:** Visual Studio Code IDE, Git, Jupyter Notebook, Node.js, Tableau, Excel, Microsoft Power BI

**Languages:** Python, Python Libraries, MySQL**,** SQL, SQLite, Javascript, HTML, CSS, Matlab, JSON

**Leadership and Achievements:**

* **2016-17**: Member of University of Maryland Scholar’s Program – Science, Discovery, and the Universe
* **2016**: Presidential Award for Academic Excellence
* **2005-2014**: Boy Scouts of America
  + 2008: National Heroism Award
  + 2013: Eagle Scout