

# Charles Bushrow

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## Data Scientist

Motivated IT professional and consultant with 4 years of broad IT Industry experience, which includes: data visualization, dashboarding, automation and pipelining, machine learning, modeling and simulation, and operations research. Highly regarded as an essential key technical resource, critical thinker, and problem solver.

- Proven leader with a high degree of technical competence with a natural ability to quickly establish a solid reputation as a superior performer with a passion in resolving complex problems with desired IT results.
- Great work ethic; quick learner; fast turnaround time; meets requirements early; inspires others; team player.
- Excellent interpersonal, verbal, written communication, and time management skills.

## I.T. Certifications

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Microsoft Azure Fundamentals  
IBM Data Science Professional

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DoD TS/SCI Security Clearance

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## Technical Proficiencies

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❖ Python	❖ MS SQL	❖ HTML/CSS/JS	❖ Azure/AWS
❖ VBA	❖ Git/SVN	❖ Java	❖ Powershell/Bash
❖ SQLite3	❖ R	❖ Tableau	❖ Microsoft Office

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## Professional Experience

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**Lead Data Scientist | Associate**, Booz Allen Hamilton, VA 08/2018 - Present

Clean, visualize and leverage data to empower clients and strengthen decision making processes. Develop pipelines and apply machine learning techniques to simplify workflows and expand the power of existing data.

- Perform pipelining and automation of manual process, and translate legacy tools built in Excel/VBA into cloud-based web applications built in Python
- Create user interfaces to validate and verify the data transformations occurring in pipelines and initiate subsequent processes
- Lead the development of computer vision models spanning image classification, object detection, and semantic segmentation using FastAI
- Develop modelling and simulation tools in AnyLogic/Java to provide clients with a single tool to predict the outcome of projected upcoming scenarios
- Facilitate team collaboration and monitor tasking through JIRA, using Scrum and Agile methodology
- Write PowerShell/Bash scripts to automate daily tasks and for cost savings through manual automation
- Maintain GitHub repositories for server tools and code/scripts that are used by various teams
- Provide subject matter expertise for development and facilitation/instruction of a series of data literacy courses

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## Education

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**M.S., Analytics**, Georgia Tech

Expected: Dec 2022

**B.S., Industrial & Systems Engineering**, Virginia Tech

Completed: May 2018