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| **Chad Chapman**  [**cbchapman@alumni.vcu.edu**](mailto:cbchapman@alumni.vcu.edu)  **804-426-0891** |  |
| **Computer Scientist** |  |
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| GitHub: https://github.com/chapmancbVCU |  |
| LinkedIn: https://www.linkedin.com/in/chadchapman2010/  Portfolio: https://chapmancbvcu.github.io/portfolio/dist/index.html |  |

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| **Summary of Technical Skills** |
| * **Languages and Libraries:** Java; JavaScript; HTML; CSS; PHP; FFmpeg * **Environments and Tools:** Eclipse; Visual Studio 2022; Visual Studio Code; Ansible; Atlassian; Confluence, Jira, BitBucket; MySQL MariaDB; phpMyAdmin; Nginx Web Server; webpack * **Platforms:** Windows 10, 11; Linux/Unix; Ubuntu, RHEL/CentOS, Mac OS X | | |

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| **Professional Experience** |

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| **Science Systems and Applications, Inc.** | Hampton, VA |
| Computer Scientist | 08/2012–Present |
| * Provided simulation services for our civil servant customers at NASA Langley Research Center in the role of a Systems Engineer for the Air Traffic Operations Laboratory (ATOL). * Reduced our customer’s operational costs by designing and deploying a video streaming solution using a Nginx server that supports live streaming and Video on Demand (VOD) services. * Developed the website front end for the video streaming solution which references a database that stores searchable records of videos available to the VOD service. * Created a user guide for how to operate the services provided by the Nginx server. * Collaborated with our System Administrators to perform upgrades and conduct testing of the ATOL facility’s video distribution system. * Automated the deployment of several generations of our configuration baseline with Ansible to hardware assets in our customer’s test and verification laboratory and production environments. * Implemented a Python script that reports statistics of error rates from large datasets. * Developed a maintenance tool in Java that generates a report of outdated simulation software builds on systems throughout the production environment. | |

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| **Education** |

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| **Bachelor of Science in Computer Science** | | December 2010 |
| Virginia Commonwealth University | | Richmond, VA |
|  | *Minors*: Computer Engineering, Mathematical Sciences | |
|  | *Distinctions*: Dean’s List – Spring 2007 | |