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| **Chad Chapman**  [**cbchapman@alumni.vcu.edu**](mailto:cbchapman@alumni.vcu.edu)  **804-426-0891** |  |
| **Systems Engineer** |  |
| 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; HTML; CSS; JavaScript; TypeScript; React; PHP; C#; Assembly: MIPS, 8051 Microcontroller; Windows Batch; VHDL; MySQL/MariaDB * **Environments and Tools:** Eclipse; Visual Studio 2022; Visual Studio Code; Ansible; Atlassian: Confluence, Jira; phpMyAdmin; Nginx Web Server; webpack; Git; GitHub; Node.js; npm; Jest * **Skills:** Object Oriented Programming (OOP); Responsive Web Design, DevOps, Documentation * **Platforms:** Windows: 10, 11; Linux/Unix: Ubuntu, CentOS/RedHat/RHEL, MacOS | |

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| **Professional Experience** |

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| **Analytical Mechanics Associates** | Hampton, VA |
| Software Developer | 06/2023 – Present |
| **Science Systems and Applications, Inc.** | Hampton, VA |
| Computer Scientist | 08/2012 – 05/2023 |
| * Provided simulation services for NASA Langley Research Center’s Air Traffic Operations Laboratory (ATOL) as a Systems Engineer across multiple contracts and two employers. * Created a comprehensive video streaming solution, encompassing a Linux-based Nginx server for live streaming and Video on Demand (VOD) services, alongside the development of the corresponding website front end integrated with a searchable video database. * Streamlined the recording and live streaming of experiment asset displays with Open Broadcast Software (OBS) through the implementation of efficient scripting solutions. * Developed a dashboard that reports information about active live streams. * Automated the deployment of several generations of our configuration baseline with Ansible to hardware assets in customer's test and verification laboratory and production environments, reducing deployment time by 75%. * Showcased our interactive demonstrator for Urban Air Mobility, a flying taxi concept, at the prestigious Experimental Aircraft Association 2023 AirVenture Air Show in Oshkosh, WI. * Implemented a Python script that reports statistics of error rates from large datasets, assisting the customer in determining the scope of simulation timing issues. | |

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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 | |