

Spencer Callicott

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Current Address: PO 1715, Mississippi State, MS 39762

OBJECTIVE | To obtain undergraduate and graduate degrees in Electrical & Computer Engineering while pursuing cutting-edge research in Cyber-Security and High Performance Computing applications.

EDUCATION | **Mississippi State University, Starkville, MS**
Fall 2015 – Spring 2019
BS of Science in Computer Engineering, Minor in Mathematics
Current GPA: 3.42
Total Hours: 115.00

EXPERIENCE | **Undergraduate Researcher, Mississippi State, MS**
July 2014, June 2015-Present

- Worked in Distributed Analytics and Security Institute (**DASI**)
- Troubleshooted, Maintained, and Demonstrated small-scale industrial control systems SCADA systems and wireless network jamming/injection
- Researched vulnerabilities and Performed cyber-attacks on Programmable Logic Controllers
- Developed Parallel Applications using Machine Learning algorithms, specifically for Topic Modelling using Latent Dirichlet Allocation
- Big Data Benchmarking Suite for Cyber-Security Analytics (**CSB**)
<https://github.com/msstate-dasi/csb>

Sustainable Pathways Fellow, Berkeley, CA

June 2016-July 2016

- Worked at Lawrence Berkeley National Labs (**LBNL**)
- Acquired Data Transfer Node Netflow Logs using Bro IDS
- Analyzed network traffic regularity using Apache Spark & Anomaly Ranking Algorithms

AWARDS & HONORS |

- Presented research in Denver, CO at SC17 ACM Student Research Competition sponsored by Microsoft Research (1 of 8 undergraduates selected)
- Spring 2017 Undergraduate Research Symposium 3rd place in Physical Science & Engineering
- Mississippi State University Bobby & Barbara Martin Presidential Endowed Scholar
- Mississippi State University Centers and Institutes 2016 Undergraduate Student Research Award

REFERENCES | **Stefano Iannucci**, Research Associate – DASI
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David Dampier, Professor and Interim Director for Department of Information Systems and Cyber Security
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