

Cory Nance

Lecturer at Coastal Carolina University

(email) canance@coastal.edu

(office) (843) 349-2646

Education

- **Dakota State University** Madison, SD
Ph.D. Candidate in Cyber Operations 2020 (*expected*)
- **Georgia Southern University** Statesboro, GA
M.Sc. Computer Science 2013
- **Coastal Carolina University** Conway, SC
B.Sc. Computer Science 2010

Publications

1. **Nance, C.** (2019). Towards a Virtual Machine Introspection Based Multi-Service, Multi-Architecture, High-Interaction Honeypot for IoT Devices. In Proceedings of the Southern Association for Information Systems Conference.
2. Frank, C., **Nance, C.**, Jarocki, S., Pauli, W. E. (2018). Protecting IoT from Mirai botnets; IoT device hardening. *Journal of Information Systems Applied Research*, 11(2) pp 33-44.
<http://jisar.org/2018-11/> ISSN: 1946-1836. (A preliminary version appears in The Proceedings of CONISAR 2017)
3. French, J. H., Murphy, M., **Nance, C.**, & Cox, C. (2017). Diversifying Computing Degree Programs to Improve Student Retention. *Journal of Computing Sciences in Colleges*, 33(2), 237-244.
4. Frank, C., **Nance, C.**, Jarocki, S., & Pauli, W. E. (2017). Protecting IoT from Mirai botnets; IoT device hardening. *Proceedings of the Conference on Information Systems Applied Research*
5. **Nance, C.**, Losser, T., Iype, R., & Harmon, G. (2013). NoSQL vs RDBMS - Why There is Room for Both. In Proceedings of the Southern Association for Information Systems Conference.

Presentations

1. **Nance, C.** (2018, November 14). Protecting Personal Information: Passphrases, Passwords, Encryption, MFA, and Physical Security. Presented at Information Security Awareness Week in Coastal Carolina University, Conway, SC.
2. **Nance, C.** (2018, November 8). Demystifying the Cloud. Presented at One Talk, One Time in Coastal Carolina University, Conway, SC.
3. Auger, G., Flaagan, T., & **Nance, C.** (2017, November 11). RevEng All the IoTs. Presented at BSides Charleston in College of Charleston School of Business, Charleston, SC.
4. **Nance, C.** (2017, October 24). Protecting IoT from Mirai botnets; IoT device hardening. Presented at One Talk, One Time in Coastal Carolina University, Conway, SC.

Poster Presentations

1. Frank, C., **Nance, C.**, Jarocki, S., & Pauli, W. (2018). Defensive Techniques for IoT Botnets. AFCEA Cyber Education, Research, and Training Symposium.

Grants

CCU Professional Enhancement Grant (\$2,240)	2019
CCU Online Learning Incentive Grant (\$5,400)	2017-2018
Google Cloud Platform Education Grant (\$5,500)	2017
CCU Online Learning Incentive Grant (\$8,400)	2016-2017

Service

Faculty Advisor - Cybersecurity Club	2019 - present
Scholarship Committee Member	2018 - present
Faculty Advisor - ACM Student Chapter	2017 - present
IS Curriculum Committee Member	2014 - present
IT Curriculum Committee Member	2014 - present
Search Committee Member: Assistant Professor of IT	2017
Search Committee Member: Assistant Professor of IT	2016
Search Committee Member: Lecturer of Computing Sciences	2016
Search Committee Member: Lecturer of Computing Sciences	2015
Search Committee Member: Lecturer of Computing Sciences	2015
Search Committee Member: Assistant Professor of IT	2014

Courses Taught

- Coastal Carolina University
 - CSCI 101: Introduction to the Internet and World Wide Web
 - CSCI 110: Enterprise Business Applications
 - CSCI 130: Introduction to Computer Science
 - CSCI 131L: Algorithmic Thinking
 - CSCI 135: Introduction To Programming
 - CSCI 140: Introduction to Algorithmic Design I
 - CSCI 140L: Introduction to Algorithmic Design I Lab
 - CSCI 145: Intermediate Programming
 - CSCI 150: Introduction to Algorithmic Design II
 - CSCI 150L: Introduction to Algorithmic Design II Lab
 - CSCI 211: Computer Infrastructure

- CSCI 216: Linux Fundamentals I
- CSCI 385: Introduction to Information Systems Security
- CSCI 415: Windows Systems Administration
- CSCI 425: Database Design
- CSCI 495: IS Project and Capstone
- Horry-Georgetown Technical College
 - CPT 187: Object-Oriented Logic and Design

Awards

Outstanding Chauncey's Service Excellence Champion (Finalist) 2018
 Chauncey's Service Excellence Champion 2017

Professional Development

- 2019
 - Open Information Security Foundation: Threat Hunting with Suricata
 - Using Best Practices to Update Your Online Learning Course
 - Personal Lecture Capture for Online/Hybrid Classes
- 2018
 - BSides Charleston: A Crash-Course on Internal Network Penetration Testing
 - BSides Charleston: Container Hacking
 - Best Practices for Teaching Accelerated Courses
 - Working with Student Groups in Your Online Class
 -
- 2017
 - Grand Idea Studio: Hands-on Hardware Hacking Training
 - Integration of Accessible Assignments and Activities into your Online, Hybrid and Flex Classes
- 2016
 - Applying the Quality Assurance Inventory to Your Online Course
 - Building a Framework for Your Distance Learning Moodle Course
 - Transform Your Students From Passive to Active Learners
 - Survey of Tech Tools for Distance Learning Instructors
 - Using Mid-Semester Feedback to Improve Your Course
 - Organizing Your Distance Learning Course
 - Classroom Motivation and Management

- Creating a Distance Learning Syllabus
- Active Learning to Enhance Lectures
- Integrating Instructional Technology
- Make Your Lectures More Effective
- Managing Your Online Workload
- Interpreting Student Evaluations
- Building an Inclusive Classroom
- Classroom Instruction Methods
- Course Design and Preparation
- Creating Learning Guides
- Developing a Course Plan
- Assessment Strategies

Work Experience

- **Coastal Carolina University**

Conway, SC

Lecturer

August 2014 - current

- Academic Advisor
- Faculty member of the Department of Computing Sciences

- **Horry-Georgetown Technical College**

Conway, SC

Systems Administrator

May 2013 - August 2014

- Provide college-wide and across all campuses, technical support and services in the operation and administration of enterprise-level servers and related infrastructure.
- Install, configure, and operate a Windows and Linux server environment consisting of physical and virtual (VMware) servers, Storage Area Network (SAN), and related hardware/software.
- Monitor, troubleshoot, and maintain server hardware and storage products; and confer with vendors in diagnosing and correcting errors.
- Assist with maintaining application and support systems including, but not limited to, e-mail system (Exchange), spam filtering, database (SQL Server), user accounts (Active Directory), and domain name service (DNS).
- Assist with implementing the necessary controls, procedures, and best practices for maintaining information security of hardware, server resources, and systems.
- Assist with performing data backup and recovery procedures; and adhere to established retention schedule.
- Assist in researching new technologies and perform other related duties as may be assigned.

- **Coastal Carolina University**

Conway, SC

Teaching Associate

August 2013 - May 2014

- Teaching undergraduate courses in Computer Science.

- **Horry-Georgetown Technical College**

Conway, SC

Adjunct Faculty

January 2013 - May 2013

- Teaching object-oriented language and design (Java).

- **Horry-Georgetown Technical College**

Conway, SC

Applications Analyst

November 2011 - April 2013

- Provide college-wide technical support in the analysis, design, programming and maintenance of administrative information systems and applications.
- Write scripts to interface with Ellucian (formerly Sungard) Banner.
- Report writing from Oracle databases
- Linux server security, updates, and maintenance
- Troubleshoot and update the Continuing Education website

- **SJGC Associates**

Murrells Inlet, SC

Software Analyst

March 2011 - October 2011

- Configure and maintain email and web servers to support email marketing.
- Migrated email servers from Windows to Linux
- MS-SQL and MySQL database administration
- Postfix and Courier administration
- Software and web development

- **Web Data Software, LLC**

North Myrtle Beach, SC

Software Developer

September 2010 - September 2011

- Software and web-based development.
- Develop and interface with web services (SOAP/REST/XML-RPC)
- MS-SQL database administration
- OAuth integration

- **Coastal Carolina University**

Conway, SC

Lab Assistant

September 2010 - December 2010