

# Cory Nance

Lecturer at Coastal Carolina University

<https://github.com/canance>

March 2, 2017

## Education

- **Dakota State University** Madison, SD  
*D.Sc. in Cyber Security* 2020 (expected)
- **Georgia Southern University** Statesboro, GA  
*M.Sc. Computer Science* 2013
  - Strong emphasis on database design and mining.
- **Coastal Carolina University** Conway, SC  
*B.Sc. Computer Science* 2010

## Work Experience

- **Coastal Carolina University** Conway, SC  
*Lecturer* August 2014 - current
  - Teaching undergraduate courses in Computer Science, Information Systems, and Information Technology.
- **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*

- Conducted research for the development of a Robotics class; including DC circuits and using a FPGA to control a DCC train set.

## Courses Taught

- Coastal Carolina University

- CSCI 130: Intro 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 415: Windows Systems Administration

- CSCI 425: Database Design
- Horry-Georgetown Technical College
  - CPT 187: Object-Oriented Logic and Design

## Research Experience

- **INSuRE Project** Madison, SD
  - Researcher* *Spring 2017*
    - Creating an open source script to secure and prevent infections by the Mirai botnet on IoT devices.

## Publications

1. Nance, Cory; Lossner, Travis; Iype, Reenu; and Harmon, Gary, "NOSQL VS RDBMS - WHY THERE IS ROOM FOR BOTH" (2013). SAIS 2013 Proceedings. 27.

## Grants

1. Crystal Cox, Jean French, Clint Fuchs, Sathish Kumar, Michael Murphy, **Cory Nance**, and Tally Wright. "B.S. Information Technology Degree Completion Program." CCU Online Learning Incentive Grant. 2016-2017. \$49,800.

## Skills

- **Development:** Python (preferred), Java, C/C++, PHP
- **Technology:** Ansible, Linux administration, Windows Server administration, IDA Pro, WinDbg