Corey Maynard

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EDUCATION: **University of Central Florida (UCF)** **Orlando, FL**
BA: Digital Media *Minor*: Secure Computing and Networking Fall 2006-2010

WORK **Northrop Grumman Information Systems** **Annapolis Junction, MD**
EXPERIENCE: *Software Engineer II* **July 2010-Present**

- *Net Centric Capability Systems Engineering Team*
  - Developed data generation software using Python, MySQL, and FOSS packet analysis and manipulation software in support of testing core capabilities for a large software deployment and integration program
- *Cyber Situational Awareness IR&D*
  - Developed a PHP web application to provide a hierarchical visualization for situational awareness of traffic on the global Internet, or on private networks, capable of handling millions of unique IP addresses in a PostgreSQL database
  - Rewrote core components of the application to use PHP5 classes supported by over 40 unit tests in PHPUnit.
  - Created a deployment procedure utilizing Jenkins CI to run the unit tests, build documentation using NaturalDocs, and create RPM packages for installation and setup the application and its dependencies
  - Wrote a web installer to handle creating and updating configuration settings and database structures
  - Managed and mentored a team of 5 developers, balancing tasking issues, peer review and providing training to improve their skills
  - Drafted a XML schema for integration with other applications
  - Collaborated and integrated with multiple different external teams to allow the the application to be used as the visualization for their data through JMS feeds
- *Lean Process IR&D*
  - Researched and implemented an Agile work flow for continuous integration and testing of applications using Rally, FitNesse, Jenkins and Subversion
  - Created a local environment of Fedora's Koji and Bodhi systems for building and packaging software into YUM repositories
- *Model Based Systems Engineering IR&D*
  - Development on a Microsoft XNA C# visualization supporting stereoscopic 3D and the Microsoft Kinect for a IBM Rational Rhapsody systems engineering model based simulation
  - Integrated with JMS between the application and IBM Rational Rhapsody

Course Development & Web Services at UCF **Orlando, FL**
Web Developer **March 2008-June 2010**

- *RedBeard/To Be Done 3*
  - Developed an internal Django client and course management system to aggregate course, student, faculty & staff information from supported enterprise systems allowing the team to support, develop, and track online courses for the University of Central Florida
  - Mentored a team of 3 other developers; delegated tasks and provided training
- *Techrangers Web Site – http://techrangers.cdl.ucf.edu*
  - Developed custom W3C Standards Compliant Wordpress theme
- *The Central Florida Nonprofit Nexus - http://nonprofitnexus.ucf.edu/*
  - Developed custom W3C Standards Compliant Textpattern theme
  - Assisted in the transition of the site to Wordpress