

# Corey Maynard

[me@coreymaynard.com](mailto:me@coreymaynard.com) – <http://www.coreymaynard.com>

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

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

- *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 50 unit tests in PHPUnit.
  - Created a continuous integration process utilizing Jenkins to run unit tests, compile JavaScript in Google Closure, build documentation from NaturalDocs, and create RPM packages for installation of the application and dependencies
  - Wrote an interactive web installer to handle creating configuration settings and database structures
  - Created a PHP REST API and a JavaScript/jQuery client API to allow for external applications to integrate CSA into their application
  - Created a plugin system that allowed for customers to develop custom code for CSA that can be dynamically added to the application
  - Mentored a team of 5 developers, balancing tasking issues, peer code review and providing training
- *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
- *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