

Matthew MacGregor Stratton

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Education:

Clemson University	Clemson, SC
Overall GPA: 3.18	
Major: Bachelor of Science Computer Science	Graduation Date: December, 2012

Work History:

Related:

Social Media Listening Center Intern: August 2012 – present	Condrey Corporation: May 2012 – August 2012
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Other:

Bob Campbell Geology Museum: June 2011 – August 2011	Catawba Animal Clinic: May 2008 – August 2008
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Computer Skills:

- Programming Languages: C, C++, C#, Java, Python, PHP, ActionScript
- Other: MySQL/SQLite, HTML, CSS, XML, Android OS (Java), MPI (C)
- Knowledgeable with Windows XP, Vista, 7 and Active Directory
- Experienced with Linux based operating systems

Programming Experience:

- Grade Management Program in Python:
 - GUI, A grade management program for teachers; users can manage multiple classes of students, with a simple table interface displaying grades for each student. Features recursive formulas, saving/loading of classes and students, class statistics, and student contact via email (smtp)
- Fantasy Online MMO Bot in C#:
 - A bot designed to play Fantasy Online, a simple 2D mmo. Features screen(bitmap) processing, monitor health status of enemies and players, attack and loot enemies
- Ahmiran 2D MMO RPG in C++:
 - A top-down 2D MMO RPG prototype written in C++, this is a project I still add to when time permits. Features XML parsing of appropriate data (player/enemy stats and locations, world/screen dimensions, image or sprite sheet file association, etc.), projectiles, explosions, animated sprites, collision detection, and rudimentary AI (patrolling, chasing, and attacking). For more information and source code please visit www.mmstratton.com/development
- RSSence in Android (Java), PHP:
 - An Android application designed to provide users with easy access to RSS feeds and datasets. A PHP webserver stores geo datasets and popular RSS feeds in a MySQL database. The user may view popular or personal RSS feeds or select datasets to view; when a data set is selected the MySQL table is transferred from the server to the phone via XML and stored locally in a SQLite database. The data is then shown on a Google map on the Android device. For more information, source code and documentation please visit www.mmstratton.com/development
- Condrey Corporation Mobile Application in ActionScript (Adobe Flex Framework):
 - During my internship at Condrey Corp I worked on a development team creating a mobile application to be released with an upcoming update to their software suite. I was responsible for general architecture and interface design (ActionScript), styling (CSS) and communication (ActionScript, XML).

Honors/Certifications:

- Eagle Scout 2007
- 2012 Dean's List
- American Redcross Lifeguard and First Aid/CPR Certification 2010 - present
- Life/Enhanced Life Scholarship 2008 – 2012