

Joshua D. Westmoreland

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Interests:

- Software engineering
- Programming languages
- System & network administration
- CS & SE education

Education:

Master of Science, Applied Computer Science **University of West Georgia, Carrollton, GA**

December 2009 (Expected)

- *Graduate Project:* “Scrum as Course Management in Software Engineering”
- *Reverse Engineering Project:* “Debugging in Dynamic Languages with Ruby”
- *Visualization Project:* “U.S. Legal Code Visualization with Treemapping”
- *Major Concentration:* Software Engineering
- *Minor Concentration:* System & Network Administration
- *Advisors:* Dr. Lewis Baumstark and Dr. Will Lloyd

Bachelor of Science, Political Science **University of West Georgia, Carrollton, GA**

July 2004

Professional Experience:

Graduate Research Assistant / Teaching Assistant **University of West Georgia, Carrollton, GA**

August 2007 – Present

- *Teaching:* taught several weekly workshops for introductory programming courses in the spring semester of 2009 and served as a teaching assistant for courses in software engineering, program construction, and introductory programming.
- *Assignment & course development:* developed assignments and course content for courses on topics: software engineering, concepts of programming (undergraduate courses using Java and graduate courses using C#), web design (HTML & CSS), basic database design (MS Access), and simple Microsoft Office, web page, and programming assignments for CS service courses.
- *Tutoring labs:* worked in tutoring labs throughout the course of graduate assistantship as a tutor for students in introductory

- programming courses and CS service courses.
- *Teletutoring*: worked with faculty to test and implement an online tutoring system for students taking distance education CS service courses

Honors:

- 2009 – Graduate Research Assistant of the Year 2008 –2009
- 2009 – Inducted into Upsilon Pi Epsilon

Professional Memberships:

- Association for Computing Machinery (ACM)
- Association for Computing Machinery – UWG Student Chapter

Computer Skills:

Platforms:

- Windows – XP, Vista, 7
- Linux – Ubuntu/Debian, Red Hat/Fedora
- Mobile – Android, Windows Mobile

Languages:

- Ruby, Python, Java, C#, C++, C

IDEs:

- Eclipse, Visual Studio, Notepad++, NetBeans, BlueJ, SciTE

Web standards:

- HTML, CSS, XML, JavaScript

Database systems:

- Microsoft Access, MySQL

Virtualization:

- VMware, Virtual PC, VirtualBox

Methodologies:

- Iterative and Incremental, Scrum, Extreme Programming

Miscellaneous:

- Version control, Microsoft Office, SSH, UML