# Stephen Marz

*Professional Resume*

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## Education

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| Enrolled | **Doctor of Philosophy, Computer Science**, *University of Tennessee*, Adviser: Bradley Vander Zanden, Concentration: Graphical Content Providers. |
| 2010 | **Masters of Science, Information Technology**, *Kaplan University*, Adviser: Paula Mares, Concentration: Secure Internet Protocol Routing.<br>Thesis: Secure Side-Channel Routing – Using an off-line channel to provide highly reliable Internet communications. |
| 2004 | **Bachelor of Science, with Departmental Honors, Computer Science, minors in Psychology and Aerospace Studies**, *Illinois Institute Of Technology*, Adviser: Matthew Bauer. |

## Relevant Work Experience

Current **PhD Candidate**, *The Department of Electrical Engineering and Computer Science*, The University of Tennessee, Adviser: Bradley Vander Zanden.
Main responsibilities:
1. Develop novel ideas and research methodologies in computer science
2. Implement and evaluate proposed concepts on operating systems and graphical content providers
3. Communicate all aspects of research development to the advising committee and greater scientific community

**Graduate Teaching Assistant**, *The Department of Electrical Engineering and Computer Science*, The University of Tennessee, Adviser: Bradley Vander Zanden and Lila Holt.
Main responsibilities:
1. Mentor and advise students according to the objectives outlined by the main professor
2. Prepare, teach, and grade labs which practice new techniques introduced during lecture

## Computer Knowledge

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| Languages | ARM Assembly, BASH Shell Scripting, C, C++, C++11, HLSL, HTML 5, GLSL, Java 7, Javascript, PERL, PHP, Python 2.7/3.3, SQL, x86/x86_64 Assembly |
| Libraries | DirectCompute 5.0, DirectX 11, GTK+, OpenCL 1.2, OpenGL 4.3, Qt, Windows API, WebGL, XLib |
| Software | Excel, GIMP, GIT, IDLE, Linux Kernel, MySQL, Netbeans, Powerpoint, Subversion, Visual Studio 2013, Word |

## Recent Publications

## Recent Presentations

## Professional Workshops

## Scholarships, Awards, and Nominations

## Community Outreach

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## Additional Information

References available upon request

Personal Statement and Full Curriculum Vitae Available at http://www.stephenmarz.com