

# Michael A. Speth

## Home Address

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## School Address

105 Riggs Hall, Box 340915  
Clemson University  
Clemson, SC 29634  
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**Objective** To obtain an Internship to compliment the knowledge gained by the degree of Master's in Computer Engineering

**Education** **Clemson University** 2002–present  
M.S. in Computer Engineering.  
*Emphasis:* Computer System Architecture.  
*Minor:* Computer Science.  
*GPA:* 3.50/4.00.

**Clemson University** 1998–2002  
B.S. in Computer Engineering.  
Cum Laude with General Honors.  
*GPA:* 3.58/4.00.

**Research Experience** **Clemson University – ECE Department** **Clemson SC**  
*Research Assistant:* May 2002–present  
Conducted research for Dr. Walt Ligon in the area of Fault Tolerance and Redundancy for Parallel File Systems.

## Related Projects

- PFS\_RSIM** Tool for analyzing redundancy strategies for parallel file systems
- BNR** Redundancy library for the Parallel Virtual File System (PVFS)
- PVFS\_FT** Fault tolerant interface to the Parallel Virtual File System
- JPVFS** Java implementation of the client for the Parallel Virtual File System
- IRiverGUI** File System Browser designed to work with irregular file systems such as mp3 players and even parallel file systems
- SW\_VR\_RT** Virtual reality project utilizing the Java3D API that enables users to use a light saber in the virtual world to be graded on their wielder's ability to defend themselves against training remote
- H2HC Trailer** 3D animated movie developed in Maya 4.5 showcasing a battle between two opponents in which only one can survive
- XDVR** Digital video recording program for the GNU/Linux OS similar to the TiVo
- DOG** Self Ordering System modeled for the fast food environment

**Awards** Completion of Calhoun Honors College general (2002).

**Activities** Phi Sigma Pi honors fraternity, National Society of Collegiate Scholars (Charter Member), Clemson University Orchestra (Principle Trombone), Clemson University Men's / Women's Basketball Pep-Band, Clemson University Paintball Club (Co - Founder)