

# Steven H. Willis

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**SUMMARY:** A natural problem solver with over 5 years of software development experience. Extremely familiar with open source software, tools, and development environments. Extensive experience with web technologies and database design.

**EDUCATION:** **Worcester Polytechnic Institute**, Worcester, MA  
Bachelor of Science, Computer Science, May 2004

**Capstone Project: Presentation Tools For Molecular Visualization (May 2003 - Dec 2003):**

- Developed a cross-platform system for creating, transferring, and displaying molecular based presentations modeled in Visual Molecular Dynamics (VMD). VMD is a molecular visualization program for displaying, animating, and analyzing large biomolecular systems using 3-D graphics and built-in scripting.
- Interfaced with VMD using both Python and TCL.
- Created a web-based presentation interface and storage medium with Zope.

**Activities:**

- 2001-2004: Member, Worcester Area Student Chapter of the Association for Computing Machinery
- 2003: Officer, WPI ACM

**COMPUTER SKILLS:**

**Operating Systems:**

- Linux
  - Debian
  - SUSE
  - Fedora
  - Ubuntu
- Unix
- Windows
- Mac OS

**Programming Languages:**

- Java
- C/C++
- Python
- Perl
- SQL
- ColdFusion
- PowerBuilder
- PHP
- HTML
- CSS
- Scheme
- TeX/LaTeX
- TCL
- Zope

**Development Software:**

- Visual Age
- Emacs
- CVS
- Eclipse
- Dreamweaver

**Misc. Software**

- MS Office
- OpenOffice
- Crystal Reports
- Visio
- Exim
- Courier
- iptables

**EXPERIENCE:**

**Mar 05 – Jun 06**

**Merrimack Education Center**  
**Software Developer**

**Billerica, MA**

- Created and maintained router/firewall/web filter software for our flagship product.
- Developed single sign on portal using PHP MySQL and LDAP across several servers.
- Lead conversion of thousands of users across dozens of domains to Courier IMAP.
- Wrote multi-threaded IMAP and SMTP stress testing application in Python.

**Oct 04 – Feb 05**

**Progress Software**  
**Web Developer**

**Bedford, MA**

- Completed work requests from business users.
- Aided with site redesign.
- Ensured standards compliant HTML and JavaScript was produced.
- Developed work strategies with other team members.
- Provided input for team collaboration strategies.

**Dec 00 – Aug 04**

**New York State Department of Motor Vehicles**  
**Computer Programmer/Analyst**

**Albany, NY**

- Developed and maintained programs used to transfer and process critical information.
- Attended project team meetings to discuss the progress and future path of projects.
- Learned technologies such as SQL, PowerBuilder, ColdFusion and Crystal Reports.
- Met regularly with users to discuss design specifications and requests.