

TIMOTHY MILLS

EDUCATION:

Bachelor of Science, computer science and mathematics
Moravian College, Bethlehem, PA.

May 2009
GPA 3.52

Relevant courses: Network Programming in C, Game Programming, Data Structures and Algorithms, Machine Language Programming, Senior Seminar (Software Design Course)

COMPUTER SKILLS

Operating Systems: Linux, Unix, Windows Vista/XP/ME/98/95/3.1
Applications: Emacs, Eclipse IDE, GCC, NetBeans IDE, CVS
Languages: C, C++, Java (J2SE), some Python, LaTeX, HTML, XML

RELATED EXPERIENCE

Moravian College Internet Radio Station (WRMC) / Computer Technician / January 2007 – May 2009

- Maintain Shoutcast servers(Linux) and DJ computer(Windows).
- Wrote scripts to report listener count via web browser for Djs.
- Wrote various other small scripts to help DJs/maintain computer.

Association for Computing Machinery Programming Competitions / Programmer /Octobers 2005 - 2008

- Worked on a team of 3 to complete programming problems.
- In 9/2007 our team won first place at our site (Wilkes University).
- Problems were both math and computer science oriented.

Math Society / Publicity Coordinator / August 2007 – May 2009

- Made a small web page using HTML, some PHP, and some CSS.

Research Project / Programmer / Moravian College / Bethlehem, PA / Summer of 2007

- Worked on small team to develop Java software for professor.
- Dealt with Swing libraries on the GUI.
- Developed a new segment of the software to view a card game as a tree of moves played.

Open Source Project / Designer and Programmer / Personal Project / Spring of 2007, Summer of 2008

- Created a program which provides a model of spherical geometry geared toward students.
- Used Java3D and Swing to create the interface.

ADDITIONAL EXPERIENCE

Sears / Cashier/Service Desk / Newton, NJ / Summer & Winter of: 2004,2005,2006 Winter of: 2007

- Completed monetary transactions and drawer balances.
- Helped ensure customer satisfaction by handling problems.

Moravian College / Math Tutor / Bethlehem, PA / Spring Semester of 2009

- Tutored students who needed help in first and second level calculus classes that are offered at Moravian.

Computer Science and Math Conference / Presenter / Wooster, OH / November 2008

- Gave two presentations about work completed on the research project mentioned above as well as the project that models spherical geometry (also above).

Moravian Math Conference / Presenter / Bethlehem, PA / February 2008 and February 2009

- Each year gave a presentation about the mathematically interesting elements of the latest version of the spherical geometry software I had written.