

Tricia Wilson
1081 Queens Dr.
Laurys Station, PA 18059
484-553-2139 • trw205@lehigh.edu

OBJECTIVE

To obtain full-time position teaching middle school or high school mathematics and to use my background in technology/computer science, coaching, and mathematics to assist and enhance student learning.

EDUCATION AND CERTIFICATIONS

Lehigh University, Bethlehem, PA

Master of Education in Secondary Mathematics (with PA Teacher Certification), May 2011

GPA: 3.87

Moravian College

Bachelor of Science in Computer Science and Financial Economics, Mathematics Minor, May 2000

GPA: 3.42

Honors: Economics Honor Society

RELATED EXPERIENCE

Student Intern Teacher, Broughal Middle School, Bethlehem, PA

Spring 2011

Teaching

- Taught Pre-algebra to two below-level and one on-level 8th grade classes.
- Diverse inner city teaching experience that includes designing instruction and assessment for inclusion classes and ESOL learners.
- Completed action research project incorporating class-wide peer tutoring (CWPT).

Pre-Intern Teacher, Southern Lehigh High School, Center Valley, PA

Fall 2010

Teaching

- Taught Algebra 2 and some Pre-calculus while spending a full 25 school days in the classroom.
- Created and implemented authentic lesson plans and assessments specifically incorporating and using technology to assist in the learning process. One assessment included developing a real-life application project where students researched products that interested them, used systems of equations to create their own company from their research, and created an advertisement to “sell” their company and/or product.

Senior Programmer/Analyst, Lehigh University, Bethlehem, PA

2005 – Present

Experience

- Develop online applications to replace and/or automate existing manual processes. This involves breaking down an existing process into logical steps and mathematical functions and creating a program to complete the process.

Management

- Support and integrate multiple applications throughout the University, including integration of the Identity Management systems and maintaining and developing self-service applications.

Softball/Field Hockey Varsity Head Coach, Saucon Valley High School, Hellertown, PA 2003 – 2005

Teaching

- Head Softball Coach from 2003 through 2005, Head Field Hockey Coach in 2004.
- Taught players not only how to play softball, but about the lessons of life. Examples include leadership, work ethic, teamwork, sportsmanship, humility, and responsibility.

Management/Leadership

- Managed player/parent relationships, planned practice schedules and off-season programs, monitored staff, and submitted budgets.
- Led softball team to two play-off appearances, including district semi-finals in 2005. Led the field hockey team to the play-offs in 2004.

PIAA Field Hockey Official, District 11, Lehigh Valley PA

2000 – Present

Management/Leadership

- Officiated approximately two dozen play-off contests, including four district championships and two state play-off games.
- Vice-president in 2003 – 2004.

Integrator, PPL Services Corporation, Allentown, PA

2000 – 2005

Experience

- Developed and supported billing, finance, and service system for both the regulated and deregulated customer bases of PPL. This involved programming code to handle the logic and mathematics behind electronic banking transactions, payment agreements, payment reconciliation, and meter services.

Management/Leadership

- Promoted from Associate to Integrator in 2002 and to Technical Team Lead in 2005.
- Project lead and developer for first generation customer self-service applications.

COMPUTER SKILLS

Microsoft Office (PC and MAC), Grapher, iLife, CPS (clicker software), Scratch, many other programming languages (Java, SQL, C, HTML, etc.) and other software. Since this is my first profession, picking up on technology is a strength of mine.

PROFESSIONAL AFFILIATIONS/ACTIVITIES AND INTERESTS

National Council of Teachers of Mathematics (NCTM)/Community service, athletics/fitness, educational journals, technology