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Benjamin Zimmerman

Education

2009 - Present University of Pittsburgh Pittsburgh, PA

- Pursuing a Master's of Science in Information Science with a focus on geoinformatics
- Conducting research within the geoinformatics lab in indoor navigation using virtual environments, as well as navigation system engineering

2005 - 2009 University of Pittsburgh Pittsburgh, PA

- Bachelor's of Science in Information Science, with a minor in Computer Science
- Earned GPA: 3.65

2001 - 2005 Knoch High School Saxonburg, PA

- Graduated 7th in class out of 237
- Member of National Honors Society, Gifted Program
- Four-year Letterman in Varsity Tennis
- Earned GPA: 4.2

Experience

Spring 2009-Present Center for National Preparedness University of Pittsburgh
Graduate Student Researcher

- Aggregating cities' emergency responder locations into GIS software for use in disaster simulation project
- Developing web applications with Google Maps to interface with disaster simulation project
- Constructing web pages for project related information

Fall 2008 Robert Perkoski University of Pittsburgh
Undergraduate Teaching Assistant

- Assisted in presenting resource materials for web development using PHP and MySQL
- Brainstormed ideas with students for their individual final projects
- Assisted students with debugging problems in their applications
- Held review sessions

Summer 2007, 2008 Reaxis, Inc.
IT Summer Intern

- Developed custom-built MRP system in C#.NET that optimized company's inventory to better maintain cash flow (2008)
- Practiced UML documentation processes in a business environment (2008)

- Reconstructed company's dynamic web page using PHP and MySQL(2007)
- Constructed several robust Access/Navision databases (2007)
- Performed software installation and troubleshooting
- Performed hardware installation and troubleshooting

Fall 2007-Spring 2008 Volt Information Services University of Pittsburgh

Microsoft Student Partner

- Hosted technical talks on Microsoft technologies
- Raised awareness of current and upcoming products on campus
- Represented Microsoft at campus events

Fall 2006 – Spring 2007 Dept. of Linguistics University of Pittsburgh

IT Support

- Performed software installation and troubleshooting
- Performed hardware installation and troubleshooting
- Established file shares among the office's network

Spring 2006 - Spring 2007 Dept. of Linguistics University of Pittsburgh

Linguistic Symposium on Romance Languages 37 Organizing Committee

- Maintained conference web site
- Constructed and maintained participant database
- Designed and organized program schedule
- Constructed, designed and organized booklet
- Maintained communication with international and domestic participants

Fall 2006 Pascual Masullo University of Pittsburgh

First Experiences in Teaching Program

- Incorporated research findings from First Experiences in Research into the classroom
- Taught one full undergraduate and graduate level class meeting
- Presented teaching experience at poster session

Spring 2006 Pascual Masullo University of Pittsburgh

Research Assistant in First Experiences in Research Program

- Developed database application in MS Access for research cataloging
- Transcribed data
- Presented research findings at poster session

Skills

- .NET Development (C#, Visual Basic, ASP.net)
- Dynamic Web Applications (PHP, MySQL, JavaScript, ASP.net, SQL Server)

- Geographic Information Systems (ArcGIS)
- Database Administration (MS SQL Server, MySQL, Access)
- Virtual Environment Development (Unreal, Adobe Photoshop)
- Computer Programming (C, C#, Visual Basic, Java, Pascal, Fortran)
- Web Design (Adobe Dreamweaver, Adobe Photoshop)
- Basic UML documentation
- Basic Networking
- Microsoft Windows
- Microsoft Office Suite
- Basic proficiency in Spanish

Interests

Geographic information systems, indoor navigation, virtual environments, dynamic web applications, database management systems, computer programming, web design, video gaming, electronics, and music

Awards

- Dean's List in Fall 2005, Fall 2006, Spring 2007, Fall 2007, Spring 2008, Fall 2008, Spring 2009
- School of Arts and Sciences Honors Student Award in Spring 2007
- Microsoft Imagine Cup 2007 Regional Semi-finalist