

# Paul Kroon

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## EDUCATION/CERTIFICATION:

**Bachelor of Sciences in Computer Science and Mathematics**, May 2008

- Ursinus College, Collegeville, PA
- Minor in Spanish

**Honors:** Dean's List, departmental awards for Computer Science, ACM achievement awards

**Microsoft Certified Systems Engineer (MCSE)**

**MCSE: Security+**

## EXPERIENCE:

**Systems Administrator**, Tyndale Company, Inc., Pipersville, PA, June 2008 – Present

- Primary administrator for workstations and printers used by over 120 employees, including configuring, deploying, and maintaining all hardware and software
- Planned and implemented infrastructure projects including Microsoft Exchange, Microsoft System Center technologies, VMWare upgrades, and a warehouse automation system
- Managed source code for all development projects using Subversion, including all implementations, as well as assisting in ASP.Net and C# programming
- Developed for and administrated MS SQL Server 2005 and 2008 databases
- Managed all backups using scripting to automate where necessary, and Symantec BackupExec to consolidate and create media to be moved off-site

**Web developer/project administration**, Sungard, King of Prussia, PA, March 2008 – June 2008

- Development and support of event planning management application (PHP and PostgreSQL)
- System administration for live and test development environments, including backups and managing Subversion repositories

**Web developer/database administration**, Redlasso, King of Prussia, PA, January 2008 – March 2008

- Worked on report system written in PHP with MySQL database
- Worked on modifications to MySQL databases

**Web developer/project support**, Ivory Tower Group, King of Prussia, PA, May 2007 – January 2008

- Development of web-based event planning management application
- Supported an old, existing version and developed a new version with a small team of programmers
- PHP, Javascript, and AJAX programming using MySQL and PostgreSQL databases
- Data manipulation and insertion into database system from various sources using Bash scripting
- Assistance with system administration for development and production environments

**Technical Consultant**, Gateway Employment, Limerick, PA, September 2007 – present

- Assisted with complete system upgrades for small office environment
- Purchased components and constructed workstations and server to cut costs
- Worked on repairs and upgrades to MS Access database
- Developed automated backup system to replace old, manual system

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**Teaching Assistant**, CS Department, Ursinus College, September. 2007 – December 2007

- Assisted professor during Computer Science lab; aided students in coding projects
- Developed file upload PHP/MySQL application to handle submissions of projects for the class

**Associate Systems Administrator**, CS Department, Ursinus College, January 2007 – June 2008

- Built network with system of servers located in separate portion of Ursinus College IP space
- Developed protocols and procedures for administration of network to be continued by future students
- Built machines and installed software to run services such as Apache, MySQL, phpBB, and Bind

**Technical Consultant & Database Developer**, Country Inn & Suites, Millville, NJ, Dec. 2006 – Jun 2008

- Create MS Access database for use by front desk and management
- Generate reports for management to keep accounting records
- Created Linux kiosk computer for use of hotel guests in lobby
- Routine computer repair of office computers and wireless network maintenance

**IT Department Intern**, Tek Translations, El Plantío, Madrid, Spain, Oct. 2006 - Dec. 2006

- Worked with IT department at localization company, directly with IT manager
- Assisted with technical support, deploying systems for employees, infrastructure management
- Used Microsoft Server 2003 for various tasks including user management and FTP server
- Performed all company backups for a month-long period

**Technical Assistant**, Computing Services, Ursinus College, Collegeville, PA, Sept. 2005 – May 2008

- Provide technical support for faculty, staff, and students
- Audio/Visual work including equipment set-up and instruction
- Trained new technicians and worked to improve the functioning of the help desk

**MS Access Database Developer**, Egglund's Best, King of Prussia, PA, Sept. 2005 - May 2006

- Created MS Access database for nutritional data kept by lab with ability to search and import data

**President, Association for Computing Machinery**, Ursinus College, Sept. 2004 – May 2008

- Monitored spending and kept accounting records as treasurer
- Ran meetings, formed committees, led members in projects as president
- Helped raise membership from a few students to over 20 members and growing

## RESEARCH EXPERIENCE:

### Summer Fellow

- Awarded competitive funded summer fellowship to study an area of my choosing
- Developed research and a paper on timeouts in the Domain Name System (DNS)

### Consortium for Computing Sciences in Colleges (CCSCNE)

- Presented poster at conference to share research with students and professors from other schools

## COMMUNITY SERVICE:

**Online Chair, Relay for Life**, Ursinus College, Sept. 2007 – Sept. 2008

- Maintained event website that controlled registration, donations, and event details
- Created email distribution lists, an online forum, and a Wiki page to be used during planning