

Brian A. McPherson

bamcpher@mtu.edu

916 Normandy Rd
Royal Oak, MI, 48073
(586) 215-2419

OBJECTIVE To attain a part time position working in a software engineering/development position in southeast Michigan that would be flexible enough to allow me to continue education as a full time Master's student as well.

EDUCATION **Bachelor of Science in Computer Science**
Michigan Technological University, Houghton, MI

Relevant Coursework:

- Computer Networks
- Database Systems
- Introduction to Cryptography
- Intro to Operating Systems
- IS/IT Management
- Human-Computer Interactions
- Team Software Project

EXPERIENCE **The Paslin Company** **Warren, MI**
Controls Engineer *June 2008 to March 2009*
- PLC Logic Programming and AutoCAD documentation for plant installations in the automotive industry, working with Omron and Allen-Bradley controllers

Rockwell Collins **Cedar Rapids, IA**
Software Engineering Co-op *2006 to 2007*
- Database driven internal web application development in ASP.NET, C#, utilizing different databases such as Oracle, MSSQL, and MS Access.

Michigan Technological University **Houghton, MI**
West Engineering Computing Network support *2005 to 2007*
- Tier two advanced user support and network troubleshooting for the Mechanical and Chemical Engineering departments.

Fx Affinity, LLC **Royal Oak, MI**
Founder *2007 to Present*
- Virtual Machine hosting company running on Debian Linux utilizing the virtualization capabilities of VMware.

Quality Chaser Company **Romeo, MI**
CNC Machine Operator *Summer 2004, 2005*
- Macro Programming and operation of Haas Automation CNC Machines. Also operated lathes, mills, and grinders.
- Applied shop safety to emergency situations.

COMPUTER KNOWLEDGE **Advanced Windows and Unix Network Administration**
- Setup and maintained several networks using Windows Server 2003, Windows XP, Windows 2000, Windows 98, Linux, and Solaris.
- Vast experience with command line on Linux/Unix systems.

Programming and Software Experience:

- .NET
- C, C++, C#
- Java
- Shell Scripting
- Visual Basic
- CSS
- MSSQL
- MySQL
- PHP
- Python
- Eclipse
- Java Style Docs
- Visual Studio
- UML
- Vim
- Mathematica
- MATLAB
- Microsoft Office
- Photoshop
- OpenOffice.org
- CVS
- Subversion
- RSLogix
- AutoCAD
- CX-Programmer

ACTIVITIES **CAEL Partner Program - Computer Aided Engineering Lab Partner** **2004 to 2007**
- President, Spring 2004.
- Volunteer lab assistant responsible for maintaining the computer labs and helping users with problems.
- Organized social and fundraising events.
- Trained new lab assistants.

MTU Linux Users Group **2003 to Graduation**
- President, Fall 2007 to Graduation.
- Organized Linux Install-a-thons.
- Helped inform others of the importance of Open Source and Free Software.
- Train new server administrator on the inner workings of the LUG's server.

MTU Association for Computing Machinery – Member. **2004 to 2006**