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## WORK HISTORY

### **Downtown Software House**

Founder, October 2004 - current

- Developed innovative and user friendly applications for Mac OS X. Strived to create bug free, pixel perfect software. Used Adobe Photoshop and other tools to design custom UI elements when needed.
- Extensive real world experience with Objective-C, Cocoa and related OS X technologies. Solved challenges in UI design, application architecture, background threading and performance, working with web services.
- Experience developing for iOS devices.
- Created a standards compliant, database driven website to market software. Includes web services for automatic software updates, online payment and licensing using PayPal, FastSpring and OpenSSL.
- Worked with clients to build custom applications for both Microsoft Windows and Mac OS X.
- Responsible for marketing, customer support, contracting with graphic designers and financial consultants.

### **Children's Institute**

Systems Analyst & Developer, June 2006 - August 2009

- Responsible for IT infrastructure including Windows Server, Active Directory, Microsoft Exchange, Microsoft SQL Server and other systems. Supported 11 servers and over 50 workstations.
- Supervised a part-time student employee working in a help desk and support role.
- Used free and open-source software such as VMware ESXi, FreeBSD, Nagios and Request Tracker to improve network reliability and reduce costs.
- Implemented new technologies including Juniper SSL VPN, RADIUS authenticated WiFi, anti-spam and anti-virus, Juniper firewall. Worked with local vendors to provide recommendations for hardware purchases.
- Worked part time with SophiTEC, an outside partner company, to assist with the development of the COMET web application—a scalable, database driven evaluation and reporting tool used by school districts nationwide. Used C#, .NET and Microsoft SQL Server 2005 to fix bugs and implement new features with a team of six other developers.
- Used PHP 5, MySQL, JavaScript, XHTML and CSS to implement a client web application for the Pathways childcare center assessment program. Experience with AJAX design techniques, gathering requirements and working closely with non-technical staff.

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## EDUCATION

### **Rochester Institute Of Technology**

Rochester NY, 2010

- BS in Computer Science.
- Courses include Parallel Computing, AI, Database Systems and Software Engineering.
- Technical course work emphasizes Java and C++.
- Experience working in a team environment.

### **North Central Michigan College**

Petoskey MI, 2002

- Computer Information Systems major.
- Courses include Computer Networking, Unix Administration and Technical Writing.

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## TECHNICAL PROFICIENCIES

### **Languages, APIs & Technologies**

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|-----------------------------------|------------------------------------|---------------|----------------------------------|
| • Objective-C, Cocoa, Cocoa Touch | • POSIX / Perl Regular Expressions | • XML         | • Prototype JavaScript Framework |
| • C#, .NET                        | • PHP 5                            | • MATLAB      | • AJAX Web Development           |
| • C, C++                          | • SQL                              | • Scheme      |                                  |
| • Java 2 SE                       | • ASP .NET                         | • HTML, XHTML |                                  |
| • Windows API                     | • Reporting Services               | • CSS         |                                  |
|                                   |                                    | • JavaScript  |                                  |

### **Platforms & Applications**

- |                            |                                  |                                     |                       |
|----------------------------|----------------------------------|-------------------------------------|-----------------------|
| • Xcode, Interface Builder | • Microsoft SQL Server           | • Windows Desktop Operating Systems | • VMware Server, ESXi |
| • Visual Studio .NET       | • Subversion, CVS, Git           | • Windows Server Operating Systems  | • Nagios              |
| • Eclipse IDE              | • Linux & Unix Operating Systems | • Windows SharePoint Services       | • Request Tracker     |
| • Microsoft Exchange       |                                  |                                     | • Adobe Photoshop     |
| • MySQL                    |                                  |                                     |                       |