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EDUCATION

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**Worcester Polytechnic Institute**, Worcester, MA · Bachelor of Science in Computer Science, 2006

Senior Project: BitTorrent Subscriptions

- Designed an online content distribution platform utilizing the BitTorrent protocol and RSS feeds.
- Extended a web based console for content creators to manage distribution of content.
- Implemented a client application facilitating subscription to and retrieval of content.

WORK HISTORY

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**EMC Corporation** (June 2006 - present)

*Senior Software Engineer*

- Served as a member of teams focused on developing various management and backup applications for EMC's flagship product, the **Symmetrix**.
- Responsible for developing storage provisioning functionality for the EMC Virtual Storage Integrator (VSI) plug-in for the VMware vSphere client. Utilized reverse engineering technologies to enable the display of contextual information and perform storage operations directly on VMware entities in the vSphere GUI. (**C#**)
- Designed an interface for Virtual Machine Failback in VSI for use in disaster recovery scenarios to supplement VMware's Site Recovery Manager.
- Designed a library to integrate EMC software with VMware Virtual Infrastructure environments using the VMware SOAP web services. The library is utilized by essential Symmetrix management utilities, including **Solutions Enabler** and backup products for Microsoft Exchange and SQL Server. (**C++**)
- Re-engineered a legacy storage management utility with enhanced functionality using Microsoft VDS.
- Maintained a product providing an interface to physical storage information with various file systems and logical volume managers.
- Experience with version control software in a very large code base.
- Experience working with a team and independently.
- Strong understanding of enterprise storage technologies.

**Shannon Systems** (Summer 2004 and 2005)

*Software Engineer Intern*

- Developed scripts for EDI processing of purchase order data between companies.

PROJECTS

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**Six Degrees** *iPhone App*

- In spare time, designed and implemented an application with Cocoa Touch and web APIs.
- Utilizes the Six Degrees of Separation concept to display links between actors and films.
- Provides several modes of operation for reference and entertainment purposes.

SKILLS SUMMARY

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**Programming Languages:**

- Proficient with **C#**, **C++**, **C**
- Competent with **Python**, **Objective-C**

**Frameworks & APIs:** VMware Web Services SDK, .NET, Windows Forms, Cocoa Touch

**Operating Systems:** Windows, Mac OSX, Linux

**Tools:** Visual Studio, CVS, vim, git