

MADISON DICKSON

mjkd@wpi.edu
443.510.3238
mix3dstudios.com

WPI #3291
100 Institute Rd
Worcester, MA 01609

Vision

A full-time position within the realm of **Project Management** with an innovative and forward thinking company.

Education

Worcester Polytechnic Institute, Worcester, MA 5/2011

B.S. in **Computer Science** - Specialization in 3d Graphics
Minor in **Mechanical Design and Simulation Graphics**

Beaverton High School, Beaverton, OR 6/2005

Japanese Honor Society

Experience

Fidelity Investments, Boston, MA summer 2010

Portfolio Management Intern, designed process for tracking headcount and resource changes, analyzed data and created reports for the office project tracking tool, and met with Project Managers to correct outstanding issues. Developed team's image and communication with Sharepoint and other web tools.

WPI Residential Services, Worcester, MA 8/2008-present

Residential Advisor, currently responsible for 97 students. Maintain student welfare, plan educational programs and provide counseling and conflict resolution. Received award for "Best Program" in 2008.

WPI CCC Helpdesk, Worcester, MA 9/2007-present

Helpdesk Specialist. Troubleshoot and resolve computer and tech resource issues for students and faculty, escalating when necessary. In charge of PR and Advertising.

Nextgen Academy, Seattle, WA 5/2006 - 6/2007

Co-founded 501(c)3 leadership education program. Helped develop vision & mission statement and designed website and 3-fold flyers. Represented NGA and Service for Peace as the **student chair** and organized the National & Global Youth Service Day in Seattle, with over 1020 students participating. Helped raise funds for and participated in service projects in the Dominican Republic, rebuilding elementary schools and started a foundation for a library. NGA was invited to an international leadership exchange in 2007.

Course Work

Software Engineering:

Acted as project manager to lead a group of 18 programmers in building a Java-based multi-user agile software development tool in seven weeks

Engineering Design:

As the group 'CEO' I oversaw the research, design, and testing of a possible paddle-tread interface for a prototype kayak exercise machine.

Software Security Engineering:

Secure software development, defensive programming, web security, threat-modeling and human-computer interaction issues that affect security

Major Qualifying Project:

Photo-Realistic Shader Effects – modeling advanced physically accurate shaders designed to run in real-time

Skills Overview

Leadership
Proficient in Japanese
Certified SolidWorks Associate
Microsoft Office Suite, Sharepoint
Adobe Creative Suite
3d Animation Software
Web Programming & Design
C, C++, Java, Python, PHP, MySQL

Awards

National Residence Hall Inductee
Phi Delta Pi Chapter, 2008
Presidential Student Service Award
2002, 2006
Eagle Scout, 2005

Interests & Activities

Japanese Club
– Founder & President 2009-present
Audiophiles A Cappella
– Tenor 2007-present
WPI Residence Hall Council
– Hall President 2007
Student Government Association
– Senator 2008-2009