

# Victor W. Reynolds

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## ADDRESS

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## OBJECTIVES:

To work with organizations and people on the forefront of technological innovation, to learn from and work with industry veterans, and to make my own mark, providing practical, timely, effective solutions to real world programming needs and opportunities.

## EDUCATION:

**University of Wisconsin-Milwaukee, Milwaukee, WI**  
Bachelor of Science: Computer Science, *Graduated May 2012*  
GPA: 3.0

## COMPUTER SKILLS:

*Programming Languages:*

C/C++, C#, Java, ActionScript,  
MySQL, PHP, JavaScript

*Operating Systems:*

Windows (installing OS), Linux  
(command line, dual boot), OS X

*Software:*

Visual Studio, Eclipse, Unity,  
Blender, Flash, Photoshop, GIMP

## ACADEMIC PROJECTS:

### Evolutionary AI

Term project for AI: a virtual environment complete with physics and energy sources to simulate evolution of virtual creatures. Programmed simple neurons to govern the behavior of each individual creature, such as aggression, speed and reaction to stimuli; physical characteristics such as reproduction rate, rate of mutation and energy costs/consumption. Created in Java using Eclipse.

### LAN Chatroom

Term project for Computer Networks Laboratory: a Java Application which allows users to connect to all other instances of the application running on the same local area network. Does not use a server/client model; rather, all instances are both servers and clients, connecting to each other P2P style. Created in Java using Eclipse.

### Bash-Like Unix Shell

Term project for Operating Systems: A C++ Program which allows users to navigate directories, copy directories recursively, delete directories recursively, send to the background and bring back to the foreground multiple processes and resuming them. Written with Notepad++ and run and tested on a Sun SPARC server via PuTTY.

### LWJGL Java Game

Term project for Software Engineering: A Java application which uses OpenGL for graphics, and OpenAL for sound. It uses the Lightweight Java Game Library and follows software engineering best practices. It uses standard java package naming convention, and is well documented at every step. It utilizes several software design patterns to keep code redundancy to a minimum, and strives to keep code modular and legible. Developed using Eclipse.

### **OpenGL/GLUT Demo**

Term project for Computer Graphics: an interactive program with 3D colored lighting for static models loaded from files. Features include loading a model from file (OFF file), basic interactive GUI (slider bars), and dynamically generated light sources. Created in C++ using MinGW, FreeGLUT, and Notepad++.

### **JavaScript MMO Room**

Hobby project for website: A JavaScript app which displays a player avatar, and allows the player to control it, while simultaneously displaying other player avatars. Uses G5, a lightweight game library to display graphics and process input, and jQuery to communicate with PHP scripts on a web host. The PHP scripts in turn communicate with a MySQL database.

### **SQL Guestbook**

Hobby project for website: An HTML page which displays names and comments left by users. Allows visitors to leave comments of their own. Retrieves list of names and comments using jQuery, PHP and MySQL, and displays them using HTML. Input of name and comment is accomplished using textfields, and input is sanitized before entering into MySQL database. Written with Notepad++.

### **WORK EXPERIENCE:**

2006-2010: Cashier at Copps Food Center, 620 S Whitney Way, Madison, WI.

2013-current: Cashier at Target, 750 Hilldale Way, Madison, WI.

### **HONORS, ACTIVITIES AND SKILLS:**

Bilingual: Able to speak, read and write Mandarin Chinese fluently.

Member of BadgerBOTS Robotics Club, Mentor since 2013

Member of CEAS Game Development club since 2011

Knowledge of version control software like GIT

Knowledge of HTML and CSS

Fast learner of any computer program or programming language: Learned enough Perl to write a simple program in an hour, learned the XNA framework to write games, learned JavaScript and PHP on my own to write dynamic pages for my website.