

## Project Portfolio

### JoeBot

JoeBot was a semester project for an Artificial Intelligence course I had taken. The purpose of this software is to idle in the Salem State University Computer Science IRC channel that I created. The software can learn factoids and recall them when asked by users.

#### Details:

- JoeBot is currently in use in the Salem State University Computer Science IRC channel
- As of 5/6/13 JoeBot has learned 48 factoids
- Project consisted of:
  - Over 2000 lines of code
  - 52 classes and interfaces
  - 1 API

### C Inventory System

A C Inventory System was used as the final assignment for my C course. The C Inventory system allows users to add, remove, and delete items from an inventory. The system keeps track of inventory in memory, and after every write command commits changes to disk for backup.

#### Details:

- Project consisted of:
  - Over 350 lines of code
  - Several primary methods
  - Several helper methods
  - Two structs

### My Website

For a scripting class, I was tasked to create a website for an assignment but wasn't required to publish it. For my own learning purposes, I decided to host it myself on my own personal server to learn more about IIS and Windows Server.

#### Details:

- Currently hosted on Windows Home Server 2011
- Uses HTML/CSS/JavaScript
- All coded manually, no website design software used
- 395salem.homeserver.com

### Perl/Python Final Assignments

The final assignment for my scripting class was compromised of multiple problems that required knowledge of the languages taught in class. Instead of handing each assignment in as a zipped file of the code, I designed an index page for each assignment to browse through the individual questions that is hosted and viewable on my website.

#### Details:

- CGI used to demonstrated Perl/Python programming abilities
- Demonstrated use of string parsing, mathematical calculations, randomized responses to questions, and invoicing
- Accessible from my webpage
  - Perl - 395salem.homeserver.com/assignment07
  - Python - 395salem.homeserver.com/assignment08