Scott Munro

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EDUCATION

UNIVERSITY OF TEXAS - AUSTIN   Expected Grad: 2017
- Bachelor of Science in Computer Science
- GPA: 3.872
- Relevant Coursework:
  - CS314: Data Structures
  - CS378: Computational Intelligence in Game Research
  - CS429: Computer Organization and Architecture
  - CS105: C++
  - CS439: Principles in Computer Systems

EXPERIENCE AND LEADERSHIP

UT Computer Science Group Mentor   **Fall 2014**
- Mentor a group of 20 UT Computer Science Freshman
- Instruct students in resources and tools used by UT Computer Science students
- Tutor students in introductory programming courses

Freshman Research Initiative - Computational Intelligence   **Spring 2014**
- Read research papers on current computational intelligence techniques and algorithms
- Managed a small research cohort and developed an independent research project

CLASSROOM AND INDEPENDENT PROJECTS

2013-2014

Java
- Implemented the Huffman compression algorithm to compress and decompress files
- Created a GoFish simulation that displays the probabilities of different choices so that the user may choose the most appropriate card and player to ask. Compared the win-rate to players who chose cards randomly, and graphed the results of roughly 1 million trials.
- Built a program that builds a binary tree from a post-order traversal and outputs the breadth-first traversal of that tree

Python
- Built classic game Pong, with a trained neural network opponent
- Developed a neural network structure that evolved to represent a 3-bit NAND function
- Developed a neural network and game environment to train a simple boss-character to compete against a player character, and researched the effects of different training methods and neural network structures

C++
- Built a text-based clone of the game Space Invaders using the c++ ncurses library

*Listed projects can be found on my github: http://github.com/scottnm

TECHNICAL SKILLS

Languages	*Web Development*
Proficient in Java, Python (2 years),	Proficient in HTML, CSS (2 years)
C and C++ (1 year)	Comfortable with Javascript

COMMUNITY INVOLVEMENT

UT Mobile App Development
UT Women in Computer Science

AWARDS AND HONORS

- Delta Xi Freshman Award   Spring 2014
- Jackie Hawkins Freshman Award   Spring 2014
- CNS College Scholar   Spring 2014, Spring 2015