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MICHAEL GIAMMALVO

Objective

Seeking an internship in the field of Computer Science where I can leverage my skills learned at University of Michigan, in the areas of Software Engineering and computer graphic design.

Education

University of Michigan-Ann Arbor, MI

Bachelor of Science in Engineering: Computer Science Engineering, May 2013
GPA: 3.1   Class Level: Junior

Relevant Courses

- EECS 499: Learning Apps for Primary Education (C#)
- EECS 487: Interactive Computer Graphics (OpenGL/GLUT)
- EECS 398: Introduction to Computer Security (Python)
- EECS 376: Theory of Computation
- EECS 281: Data Structures and Algorithms (C++)
- EECS 370: Intro to Computer Organization (C)
- SAC 306/406: Digital Animation I / II
- EECS 280: Programming and Intro to Data Structures (C++)

Projects

- Developing an educational app for Windows Mobile Phone 7 to be used by schools in Singapore.
- Infiltrated a mock website using SQL injection, Cross-site Request Forgery, and Cross-site Scripting.
- Programmed various sorts including Quicksort, Heapsort, Bucketsort, and Mergesort to sort strings of numbers using heap, linked lists, recursion, dynamic memory, and classes.
- Programmed a maze solver using both breadth and depth first searches involving a backtracking algorithm to solve right turn only mazes.
- Created an educational video game with Verilog and marketed it to an imaginary toy company.
- Designed a short 45 sec Kinetic Typography using After Effects and Adobe Illustrator.

Languages / Applications

- C/C++, OpenGL & GLUT, Java, Python, C#, HTML, UNIX, Assembly, Verilog
- MS Office, Eclipse, Xcode, Photoshop, After Effects, Final Cut Pro, Iron Cad/3D Modeling, Soundtrack Pro

Professional Experience

Northrop Grumman, San Diego, CA   2011-Present
SOFTWARE DEVELOPMENT INTERN
Defense contractor in charge of pioneering new technologies such as UAV's and airplanes.
- Designed and implemented Web GUI's for manned and unmanned devices.
- Connected the GUI's to the back-end and integrated to system.

Emerald Asset Advisors, Cold Spring Harbor, NY   2008 – 2009
PERSONAL RESEARCH ASSISTANT
Hedge fund company focused on a mixed portfolio of investments.
- Conducted market research on companies purchased by the hedge fund.
- Communicated findings to executive in charge.

Leadership and Involvement

Leadership

- CSE Scholars Treasurer (12/2011-Present)
- CSE Scholars Secretary (09/2011-12/2011)