Morgan A. Martin

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Objective

Seeking an internship that will provide experience as a software engineer in the defense industry

Education

R.E. Gross University   Bachelor of Science Expected June 2016   Cumulative GPA: 3.5
Major: Computer Science
Minor: Business

Skills

- C, C++
- OpenGL
- Amazon Web Services
- Oracle, MySQL Database
- Java, JSP and Spring Framework
- HTML, CSS, Javascript, JQuery, ColdFusion
- SCRUM, JIRA, UML, Git
- Machine and assembly language programming

Professional Experience

Software Intern: Kelly Aero   **Summer 2015**

- Part of a team that designed and developed a single dash board displaying graphical representations of data synced from various sources that helped the Business IT division manage and update long term operational goals and plans efficiently
- Rewrote and moved a database management and processing system running on a Mainframe to an Oracle Database; developed SQL scripts that provided easy access to use and modify data: This initiative led the Company to save time and money by discontinuing the decades-old and expensive software.

Software Intern: Spectrum Medical   **Summer 2014**

- Collaborated with the lead software to create the requirements for and procedures to help design a web portal using Spring Framework that involved a secure login page and multiple queries and updates to the server
- Maintained and updated several other internal webpages used by employees to run reports and other vital information relevant to other departments such as Network Development, Sales and Client Services

Projects

Magnet Plugin for Maya 3D Graphics Software – Parallel Computing Final Project   **Spring 2015**

- Wrote a plugin that gave objects magnetic strength and polarity. Written in C++, the code contained sections that were parallelized, vectorized, and offloaded onto an Intel Xeon Phi coprocessor

File System in User Space – Operating Systems Final Project   **Fall 2014**

- Developed a file system in C++ that ran in user space on a Linux kernel. The implementation contained a hierarchical structure of directories with capabilities to handle both files and links to files.

Relevant Activities

STEM Volunteer: San Miguel Middle School   **Summer 2015**

- Instructed small groups in the engineering design cycle related to buoyancy and surface tension with an end result of constructing a raft that would float with piles of pennies on its surface