

Work Experience

Applied Research Laboratories, University of Texas 1.5 years, since July 2009

- Developed and maintained distributed software for realtime sonar calibration
 - Back-end interfaces with analog-to-digital converter card driver
 - Front-end GUI exposes controls to the user and plots data received
 - Controller and processing software arbitrate between the front and back end
- Administered sonar networks
 - Networks composed of 20 - 40 high end commercial servers and switches
 - Servers running RHEL 5 or equivalent distribution of Linux
 - Administered both the network itself and network services (DHCP, switch configuration, middleware, etc.)

United States Marine Corps Reserve 6 years from July 2003 to July 2009

Rank: Sergeant Billet: Squad Leader

- Deployed to Iraq June 2005 - May 2006
 - Fire Team Leader October 2005-February 2006
 - Commanded gun truck and three other Marines during security patrols

Summer Internships in Computer Engineering

- Eli Lilly and Company, Indianapolis Indiana Summer 2008
 - Programmed Yamaha robot to interface with a desktop PC
- LHP Software LLC, Columbus Indiana Summer 2006 and 2007
 - Programmed Microchip micro-controller to simulate diesel engine sensor signals

Skills

Computer Programming Experience

- **C** and **C++** - Using extensively in current position and in numerous courses
- **Python** - Using extensively in current position and used in two semesters at Purdue
- **Bash Shell Scripting** - Using extensively in current position
- **Web Design** (Javascript, HTML, CSS, SQL) - One semester at Purdue

Additional Experience

- Secret Security Clearance held by the Department of Defense
- Proficient in RHEL and Debian Linux systems administration:
 - Network configuration
 - Command line tools and scripting
 - Server configuration (web servers, database servers, etc.)

Education

Obtaining Master's Degree in Computer Science, University of Texas

- Currently enrolled in Graduate Programming Languages for Spring 2011 semester
- Completed Operating Systems Implementation in Fall 2010 semester

Bachelor's Degree in Computer Engineering, Purdue University

- Graduated May 2009
- Cumulative GPA: **3.79**