

Ralph Roger Smith
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Education

Bachelor of Engineering, Electrical and Computer Engineering, August 2008
The University of Texas at Austin
Overall GPA: 3.41/ 4.00 Major GPA: 3.44/ 4.00

Experience

02/2012 – Present

User Interface Developer, StoredIQ

- Develop Web Interface for displaying results of large-scale database queries

04/2011 – 02/20012

Product Security and Assurance Engineer, Trustwave

- Test Network Access Control (NAC) appliance hardware and software to ensure quality control
- Provide scenarios for reproducing field issues and testing patches provided to resolve issues
- Configure Cisco switches to create networked environments for testing
- Implement Jsystem automation test framework and write test cases for automating tests

09/2008 – 04/2011

Engineering Scientist Associate, Applied Research Labs UT

- Develop, Test, and maintain sonar related software applications
- Deliver software and hardware configurations to end-users
- Provide end user training to ensure optimal use of systems delivered
- Developed software management application for controlling loads on a sonar system and automating load fault recovery
- Developed small-scale solution for testing sonar modules
- Developed PyGTK interface for MySQL database to track sonar module testing progress

05/2007 - 08/2007

Engineer Intern, Applied Research Labs UT

- Team leader for development of magnetic probe
- Developed interfacing software for magnetic and acceleration sensing hardware
- Processed magnetic probe data files using Matlab

12/2001 - 03/2007

Pharmacy Technician, Walgreens

- ChPT certified to fill and distribute prescriptions

01/1998 - 01/2002

Machinist Mate, Petty Officer Second Class, US Navy

- Boiler supervisor responsible for 5-10 personnel during plant operation and maintenance
- Joint manager of boiler plant readiness, assigned duties and ensured completion of tasks to effectively meet strict deadlines
- Trained and evaluated personnel for promotion
- Directed personnel in high-pressure environment of plant crisis
- Responsible for training co-workers to pass physical fitness tests
- Earned honorable discharge

Skills

Programming Languages: C/C++, Objective-C, Java, C#, Python, Bash, MySQL
Libraries: OpenGL, GTK+, PyGTK, OpenAL
Platforms: Unix/Linux, Mac OSX, Windows
Intermediate Unix administration

Accomplishments

Published iPhone Game
Developed C++/OpenGL platform independent 2D game engine Mac OSX/Linux/Windows/iPhone
Developed personal webpage <http://ralphunlimited.com>
Achieved rank of Second Class Petty Officer within a four year period

Employability Status: US Citizen / Permanent Resident
Active Security Clearance: Secret