

Sol Ryan Jerome

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Employability Status **US Citizen / Permanent Resident**

Objective Design Verification position where experience in a Linux environment will add value to operations.

Education **The University of Texas at Austin**

Bachelor of Science, Computer Engineering, December 2008.

Related Courses:

Computer Architecture, Digital System Design using VHDL, Microprocessor Organization and Application, Compilers, Cryptography and Network Security, Telecommunication and Networking, Data Structures (C++)

The University of Texas at Arlington

Computer Science, May 2004

Experience

12/06 - PRESENT **Systems and Network Technician, Institute for Computational Engineering and Sciences**

Supported and maintained a network computer infrastructure with 500+ users

- Installed, configured, and maintained Bcfg2 deployment, used for server and workstation management
- Setup Kerberos Single Sign-On (SSO) functionality for services
- Maintained backups, version control systems, MySQL databases, Web servers, collaboration servers (jabber, wiki)
- Implemented Linux desktop deployment system using PXE Boot and preseed
- Configured physical servers to host multiple virtual machines using both KVM (Kernel Based Virtual Machine) and VirtualBox

09/05 - 12/06 **Senior Student Associate, ITS Help Desk**

Designed and installed remote administration system to improve efficiency in handling support calls.

Provided services directly to customers and supported all ITS Services

- UTS (Unix Timesharing Services)
- University Mailbox Services
- UTEID

07/05 - 09/05 **Student Associate, ITS Information Desk**

Assisted lab users with word processing, internet, and multimedia applications.

08/04 - 07/05 **Package Handler, United Parcel Service**

Responsible for safe and timely loading and unloading of delivery shipments for highest ranked UPS hub in the nation.

Academic Experience **UTFAST Research Group (Current)**

Integrate with Intel's simulation framework (AWB) which has recently been open-sourced and allows plug-and-play style configuration to improve collaboration with Intel research groups.

ZigBee Aided Data Transfer

Designed and implemented a ZigBee wireless link from a muon detector to a personal computer via a Stargate SPB400 Gateway and multiple MICAz wireless motes.

Skills

Development Tools: C, C++, Assembly (for the Motorola 6812 microcontroller), Python, Pascal, shell scripting (bash, sed, awk), Java, version control (using both SVN and git)

Platforms: Linux, BSD, Mac OS X, Microsoft Windows

Accomplishments

Summer 2008: Became official Bcfg2 developer

September 2004: Employee of the Month, UPS