

Barry Grussling

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OBJECTIVE

A position as a security engineer that will utilize my knowledge of communication systems and secure software development to aid in securing critical infrastructure.

RELEVANT EXPERIENCE

Software Engineer Schweitzer Engineering Laboratories
Automation and Integration Engineering Pullman, WA
April 2005 - Present

- Specified, designed, implemented, and tested embedded communications equipment for the electric power grid.
- Developed prototype Linux kernel driver for custom hardware platform.
- Member of security committee tasked with making company devices more secure.

Unix System Administrator Walla Walla College, College Place, WA
Information Services Summer 2000 – April 2005

- Assisted with the installation and maintenance of a lab with 16 Sun workstations.
- Installed and maintained several Linux servers for campus use.
- Developed custom scripts and applications for monitoring and maintaining computers.
- Troubleshooted student computer problems.

SKILLS

Programming: C, C++, Python, PERL, SQL, Assembly, Bash, PHP, HTML, LaTeX
Web: Apache, SSL, CGI, WebDAV
Database: MySQL, PostgreSQL
Apps: Octave, Matlab, Mentor Graphics Suite, Maple, OpenOffice, Office, GHS, DDD
OS: Linux, OpenBSD, FreeBSD, Solaris, SGI, Windows
Firewall/Security: ipf, iptables, ipchains, ipfwadm, Snort, StrongSwan, OpenVPN
Libraries: OpenGL, gmp, ssl, QT
Change Control: Rational ClearCase/ClearQuest, Telelogic DOORS, SVN, CVS, git

EDUCATION

WALLA WALLA UNIVERSITY College Place, WA
Bachelor of Science in Engineering June 2005
Concentration: Electrical Minor: Math
GPA: 3.96, Summa Cum Laude

RELATED COURSES

Signals and Systems Cryptography
Embedded System Design Numerical Analysis
Electro-Magnetic Energy Conversions Communications Theory

SPECIAL PROJECTS

Constructed Super-Heterodyne Receiver Designed computer-controlled security access system
Designed Multi-task Robotic Vehicle

HONORS

Edward F. Cross Engineering Scholarship Honored Student Workers Award
Presidential Achievement Award Magna Cum Laude – High School

PAST ACTIVITIES

President of IEEE (Institute of Electrical and Electronics Engineers) Local Chapter
Member of Amateur Radio Club
Administrator of Walla Walla College Networking Club for three years
Founded Walla Walla Linux Users Group (<http://www.wwlug.org>)