

BRYAN R. BERRETT

1754 Richards St.
Salt Lake City, Utah 84115
(801) 699-5761
bryan@berrett.org

EDUCATION

BS Electrical Engineering

University of Utah, Salt Lake City, UT

Graduated in May 2003 with an emphasis in Signals and Systems, Digital and Analog Circuits.

EXPERIENCE

Hardware Validation Engineer, April 2005 – Present

Linux Networx, Bluffdale, UT

Validate new technology for use in Linux Networx cluster super computers. Requires in depth knowledge of the Linux kernel, Intel and AMD processors, supporting motherboards and controller cards.

Contract Engineer, Mar 2005 – Present

DesignJug, Sandy, UT

Design and troubleshoot electronics and software for an autonomous land vehicle that will be used in DARPA's Grand Challenge. Electronics include an USB shared memory device that allows 4 computers to share data across over USB.

System Engineer, Aug 2004 – Mar 2005

Parvus Corporation, Salt Lake City, UT

Served as lead engineer designing complete embedded computer systems, tailor-made to customer requirements. Projects included ruggedized USB to IDE adapter, MIL-STD-1553 to CAN converter box, and ruggedized LCD displays.

Technical Support, Jun 2003 – Aug 2004

Parvus Corporation, Salt Lake City, UT

Provided technical support to customers and the sales team concerning our PC/104 products. Reviewed current technologies and products and made suggestions for improving current and future products. Wrote technical documentation for product manuals and sales contracts. Tested new products and created test procedures. Trained sales team on new products and technologies. Provided in-house support for data servers, desktop computers and accompanying software. Also responsible for several custom product roll outs.

System Designer, Dec 2002 – May 2003

University of Utah, Salt Lake City, UT

Research and design of a system to measure neutron radiation levels in a TRIGA nuclear reactor and the design of a system to monitor the effects of radiation on discrete and integrated circuits in real time.

System Programmer, Aug 2002 – Apr 2003

University of Utah/Agilent Technologies, Salt Lake City, UT

Part of a team that characterized cellular phones for Agilent Technologies. Added additional functionality to existing test code written in Visual Basic to communicate with the test equipment, processed data retrieved and determined changes to make in the test parameters.

System Programmer, Sep 2001 - Nov 2002
University of Utah, Salt Lake City, UT

Designed and implemented a system used for clinical hyperthermia treatment. Involved low-level driver/environment programming, high-level GUI creation, and hardware interfacing via custom or market controllers.

Web/Database Programmer, Jun 2000 – Sep 2001
Verio Web Hosting, Orem, UT

Maintained and migrated an old billing to a new system being implemented by our team; involved knowledge of C, PERL, mSQL, ORACLE, and FreeBSD. Created an order tracking system for new orders; involved processing mailboxes, interfacing with a MySQL database via PERL and a GUI front end. Designed customer service quality assurance software for use in monitoring emails and phone calls; involved the use of an authentication schema, MySQL, PERL and javascript.

Evening Supervisor, November 1999 – Jun 2000
Verio Web Hosting, Orem, UT

Responded to escalated issues in the customer service department, wrote training material, and trained new employees.

ADDITIONAL SKILLS

- Proficient in C/C++, PERL, JAVA, MATLAB and assembly
- Skilled in Linux and UNIX operating systems
- Experience with Motorola and Microchip micro controllers
- Fluent in Spanish

References available upon request