

BRIAN M. BROWN

(724) 837-0141 · brian.brown@fbbbrown.com

SUMMARY

Software Engineer with ten years of experience mainly focused in C/C++ applications, device drivers and IP communications.

EDUCATION

CALIFORNIA UNIVERSITY OF PENNSYLVANIA

Bachelor of Science Degree, Electrical Engineering Technology, 1996

Awards: Washington County Chamber of Commerce Academic Scholarship

EXPERIENCE

ARGON ST www.argonst.com

Senior Software Engineer, *January 2004 to Present.* Active Secret Clearance
I'm part of a team at Argon ST, Inc. that designs, develops, and produces acoustic systems serving domestic and international markets (SSTD Surface Ship Torpedo Defense).

- Proposed upgrades for Surface Ship Torpedo Defense (SSTD) Systems.
- Designed software modifications to current SSTD system to support Advanced Torpedo Defense System proof of concept testing.
- Highly skilled with C/C++ utilizing object orientated design patterns, embedded Linux and VxWork systems and interfacing with Linux device drivers.
- Proficient with multi-treaded applications using POSIX thread.
- Linux device driver software development (A2D, D2A, serial communication and VME bus communication) and system integration experience.
- Highly skilled with embedded C development using microchip microprocessors.
- Excellent technical writing skills including most software related Data Item Descriptions (DID).
- Knowledgeable with software configuration management techniques.
- Advises hardware designers on system and machine characteristics that affect the software systems.
- I provide a high level of technical leadership and expertise to others engineers in the department.

Project Engineer, *August 2004 to October 2006*

- Project lead for two sub-programs. Duties included: interfacing with the Customer (Navel Undersea Warfare Center and the United States Navy), Sub-contractors, and design scheduling planning and reviews.

Network Administrator / IT, *June 2004 to Present.*

- Network Administrator for the 80+ PC on a windows 2003 domain, LAN and WAN.
- Linux Administration including Apache, NIS, Samba client and server and CVS.
- Propose and executed rollouts including domain, client software and utilities.
- Proficient with Active Directory and group polices.

BRIAN M. BROWN

(724) 837-0141 · brian.brown@fbbbrown.com

AMERICAN AUTO-MATRIX www.aamatrix.com

Electrical Engineer / Software Engineer, March 1998 to December 2003. 47K.

American Auto-Matrix is an Industrial HVAC controls manufacturing company.

- Firmware design of industrial HVAC unitary controls using the Motorola d60hc12a microprocessor.
- Embedded software redesign for the year 2000 compliance with the 6205, HC11, and Intel x86 processors operating systems.
- To debug and corrected current problems with the GUI product line.
- Develop new software to increase productivity for the current products.
- On a design team that is developing a new product line for Auto-Matrix. That includes hardware and software development of new HVAC devices using an embedded Motorola HC12 Microprocessor.
- Implemented a protocol (BACnet) an ASHREA standard for Industrial control protocol. Over WAN (IP and raw Ethernet), ARCnet, RS-485 and RS-232 medias.
- Developed Visual Basic and C++ test applications for debugging thoroughness of the software logic.

KYOWA AMERICA CORPORATION, PENNSYLVANIA PLANT

Production / Electrical Engineer, September 1996 to March 1998.

Kyowa America is a plastic injection molding company.

- Electrical engineering for all machines including Star Automation (PLC), Fanuc Robotics, and Toshiba Injection Machine (PLC).
- I designed and wrote Operation Standards, Packaging Methods and product standards for an ISO 9002 certified company.