Liberty A. Young

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EDUCATION

1998-2001 **Bachelor of Science in Computer Information Systems**
DeVry, Phoenix, Arizona

PROFESSIONAL EXPERIENCE

Technologic Systems   **Fountain Hills, Arizona**   **2001-present**
Embedded Linux Developer
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- Ported Linux for ARM based embedded products
- Developed, supported,maintained Linux Kernel Drivers for PC/104 products, including:
  - Watch Dog Timer
  - QVGA FrameBuffer
  - On-board Analog to Digital Converter
  - On-board Digital to Analog Converter
  - Matrix Keypad
- Modifications to serial driver to support products' auto-RS485
- Modifications to pcmcia-cs for embedded products
- Modified core kernel code to better fit x86 embedded processor
- Maintained, developed, and supported embedded Linux Distribution
  - Created TSLinux distribution specifically for line of embedded products
  - Developed automated scripts to build TSLinux
  - Developed internal scripts to automate the installation of TSLinux onto embedded products
- Created architectual solutions for customers using company's embedded platforms
- Provided customer and internal support for all Linux related issues
- Using MySQL and PHP, created two-tier web-site solution for easier mantaince, product updates, and usability for company's web-site.
- Network Administrator for heterogeneous network (Windows, Linux)
- Wrote technical support documentation for x86 and ARM based products

Technologic Systems   **Fountain Hills, Arizona**   **2000-2001**
Production Technician

- Tested products for errors, diagnosing found errors and repairing faulty products
- Updated product test equipment and test software when necessary
- Provided First level customer support, including issues regarding shipping, technical cabilities of products and future products, and basic hardware or software related issues.

SKILL SETS

- **Languages:**
  - C, Java, PHP, SQL, Perl, Bash Scripting, XML, XSLT
- **System Tools:**
  - Apache, Bind, CVS, MySQL, Samba, Qmail, iptables

- GDB (gnu debugger) for application level debugging
- Understanding of all levels of Linux development (Operating System, kernel, and user applications)
- Linux Kernel Development

- Linux Device Driver Development
- Embedded Programming
- Linux Network Administration
- Debian and Redhat configuration
- Kernel configuration

References Available Upon Request