

Matthew Manning

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OBJECTIVE: Seeking full-time employment in the field of web software development.

EDUCATION: **Georgia Institute of Technology**, Atlanta, GA 8/2001 – 8/2006
Bachelor of Science in Electrical Engineering

Dean's List Spr 2002, Sum 2006

Relevant Courses:

Object Oriented Programming, Embedded Microcontroller Design, Digital Design Lab, Semiconductor Devices, Integrated Circuit Fabrication Lab, Analog Electronics, Audio Engineering, Introduction to Digital Signal Processing, Random Signals

CREDENTIALS: Department of Defense DSS Secret Security Clearance

EXPERIENCE: **Steelbox Networks**, Atlanta, GA 11/2006-Present

Quality Assurance Engineer

- Used Ruby on Rails to create a company web portal used by manufacturing to license hardware and track it to customers in the field.
- Created a Windows application with a simple drag and drop interface used by manufacturing to create bootable thumb drives from our disk images.
- Wrote test plans and test cases for IP video switching and storage appliances.
- Automated GUI testing using TestComplete.
- Automated command line testing using Expect scripts written in Tcl and Python.

Georgia Tech Research Institute, Atlanta, GA 1/2003-12/2005

Electronic Systems Laboratory

Co-op student, Systems and Algorithms Branch

- Assisted circuit design and SPICE simulation of integral system components for Electronic Warfare (EW) simulation hardware.
- Constructed hardware for Integrated Support Stations (ISS) for the ALE-47, AAR-47, and HEWP EW systems.
- Participated in airborne data collection for analysis of optical properties of the AAR-47 EW system.
- Modified wiring schematics and panel layouts using AutoCAD2000.
- Constructed wiring harnesses and populated PCBs for experimental phased-array antenna system.

SKILLS: **Software:** Rails, TestComplete, Expect, AutoCAD, PSPICE, and Microsoft Office.

Programming: Ruby, Java, C#, JavaScript, Tcl, Python, C, Scheme, Matlab, VHDL

Operating Systems: Windows 95/98/2k/XP, Linux, and Mac OS X.

Hardware: Connector and chassis wiring. Excellent soldering skills.

Networking: Work experience with streaming video and Linux system administration.

SCHOLASTIC ACTIVITIES/HONORS:

Georgia Tech Lorraine (France) Study Abroad Program Sum 2005

Student Center Concert Committee Member 2002-2004

Georgia Tech Marching Band 2002-2003

National Merit Scholar 2001