PERSONAL DATA:

BIRTHPLACE: Syracuse, N.Y.

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Personal Web Page http://RusselLBoice.com

GOAL:

I seek a position which will best allow me to apply my instructional, engineering, and technical skills productively. My career has consisted largely of maintaining, designing and engineering electronic equipment, instrumentation and computer systems for professors and researchers with the goal of promoting their success. I also have significant teaching experience. Details follow:

EDUCATION:

9/86 - 5/97 Colorado State University-Pueblo

Earned Master of Science Degree in Systems Engineering (1997)

1/80 - 8/86 Colorado State University-Pueblo

Earned Bachelor of Science Degree in Electronic Engineering Technology (1986)

Overall GPA 3.583

9/83 - 12/83 Colorado State University

8/75 - 5/76 Arizona State University

1/75 - 5/75 Syracuse University

8/71 - 5/74 Onondaga Community College (Syracuse NY)

Earned Associate of Applied Science Degree in Electrical Technology (1974)

EMPLOYMENT EXPERIENCE:

1/2015 - Present Kansas State University

Accepted as PHD student in Industrial/Manufacturing Systems Engineering and employed in the Enterprise Server Computing (EST) department supporting missions critical Unix and Linux systems. Unix support includes Solaris with zones and VFS. Linux support includes RHEL, Centos and Ubuntu distributions. Other configuration and support duties include Cisco switch, F5 load balancer, legacy and appliance DNS systems and firewalls.

7/1/2001 – 12/2014 University of Colorado Denver

Campus Box 170 1250 14th Street Denver CO 80202, Computer systems administrator and lab coordinator for the Math Department. I maintained Beowulf computer clusters, servers, workstations and computer equipment using Linux and other operating systems. I maintained application software and provided technical and instructional support for math and physics departments as needed.

1/20/2004 - 5/14/2004 Metropolitan State University of Denver

890 Auraria Parkway, Suite 310 Denver, CO 80204 Employed as an adjunct instructor taught EET 3330 (Digital Circuits II) and EET 1300 (Computer Nuts and Bolts). Responsibilities included writing and administering tests, presenting lectures, supervision of students in Lab., and recording students' grades. This was in addition to my full time duties at the University of Colorado Denver.

1/22/1985 - 6/30/2001 Colorado State University-Pueblo

2200 Bonforte Blvd. Pueblo, CO. 81001, Employed as an Electronic Specialist III. I Designed, constructed and maintained electronic equipment, develop software and administered UNIX and Windows NT based computer network servers used in research. Equipment maintained includes a 300 MHz NMR, FTIR, GC MS, AA and Optical Spectrometers, an eye-tracking system, Scanning and Transmission Electron Microscopes. I designed hardware and software for a system similar to an industrial process control computer to control experiments using Skinner boxes. I have written software for use in computer-aided instruction. I have served as Chief Operator of the University's 10 kW FM Broadcast Radio station. Computer languages I have used for project development include Assembly, FORTRAN, Pascal, Java, Visual Basic, SPSS and C++.

I have taught the following classes for Colorado State University-Pueblo:

CHEM 529	Advanced Instrumentation	Fall 1997
EN 477/577	Operations Planning and Control	Spring 1999
CIS 150	Introduction to Computer Information Systems	Fall 1999
CIS 101	Computers and You	Spring 2000

Served as investigator and technical assistant in support of a NIH grant "Enhancement of Internet and Intranet Technology"

5/31/2000 – 10/2/2000 PACE Technical School

For US-West Colorado Springs, CO**.** I taught a basic electronics class for employees of US-West under contract with PACE, a company which has since merged with Sylvan Learning Systems. (www.educate.com) My supervisor was Robert P. Preece, based in Pasadena, CA. I taught about 12 adult students, meeting two nights a week from 6PM to 8PM. I used well-developed curriculum materials with a lot of hands on emphasis to teach electronic fundamentals. This was in addition to my full time duties at Colorado State University.

7/9/1984 - 1/18/1985 Sperry Corp. (now UNISYS)

Pueblo Airport Industrial Complex Pueblo, Co., Employed as test engineer. I used logic analyzers, oscilloscopes and a DEC VAX 730 in design and trouble-shooting military grade computers (mil. spec. 1750A instruction set and 1553 communications) and a prototype computer monitor and control system. The computer under development is used in a military aircraft flight control system.

4/6/1984 - 6/30/1985 Association of American Railroads

Transportation Test Center Pueblo, Co. 81001 Employed with a part-time agreement. Responsibilities included maintenance of DEC VAX, PDP-11, and Varian V70 series mainframe computers, and peripherals used in processing analog data and producing printed and plotted output.

9/25/1983 - 7/6/1984 Colorado State University-Pueblo

2200 N. Bonforte Blvd. Pueblo, Co. 81001, Employed with a part-time agreement. I repaired, maintained, designed and installed electrical and electronic equipment for Psychology and Mass-Communications departments. Equipment included commercial quality television cameras and switching equipment, a commercial broadcast FM stereo radio transmitter and studio, a DEC PDP8/m computer with peripherals for psychological testing, and several Apple computers.

8/30/1982 - 5/20/1983 Pueblo Community College

900 W. Orman Ave. Pueblo, Co. 81004, Employed as an electronics instructor. Classes taught include: DC AC Circuits, Digital electronics, Microprocessors, Op. Amps., Active Filters, I.C. Timers, Phase Lock Loops, Industrial Electronics, Basic Programming, Microcomputers, and Physical Science. Responsibilities included writing and administering tests, presenting lectures, supervision of students in Lab., and recording students' grades.

8/1/1977 - 6/12/1982 CF&I Steel Corp.

P.O. Box 316 Pueblo, Co. 81002, Employed as an electronic repairman to repair and maintain industrial

electronic equipment. This equipment includes: electronic motor drives and controls; many types of electronic process control computers including GE, Reliance, Allen Bradley and others; radio remote control equipment; television cameras and monitors; public address systems; and material analyzing equipment using X-ray and spectrographic techniques.

7/17/1976 - 7/28/1977 Kentron Hawaii, Ltd.

Transportation Test Center Pueblo, Co. 81001, Responsibilities included operation and maintenance of various minicomputers and peripheral equipment. Computer operation included processing analog data tapes to produce reports containing computer generated graphic plots. Completed a six week Varian V70 series hardware course by Varian in Irvine CA.

4/1/1974 - 4/25/1975 Burroughs Corp.

6712 Brooklyn Parkway Syracuse N.Y. 13211, Employed as a field engineer, servicing L-series accounting and intelligent data communication computers and associated equipment, including a variety of magnetic tape, punched card, and high-speed printer peripheral equipment. Duties included setting up this equipment for installation and field service of this equipment in business offices throughout central New York State.

5/7/1973 - 9/9/1973 GTE Sylvania, Inc.

Data Processing Center 5700 West Genesee St. Camillus, N.Y. 13031, Employed on night shift. Transferred data from magnetic tape to appropriate printed format

PUBLICATIONS:

Gardner, R. & Boice, R. “A computer program to generate signal detection theory values for sensitivity and response bias” Behavior Research Methods, Instruments, & Computers, 1986, 18(1), 54-56.

Boice, R. & Gardner, R. “A computer program to generate parametric and nonparametric signal-detection parameters” Bulletin of the Psychonomic Society, 1988, 26(4), 365-367

Boice, R. & Gardner, R. “A Computer program for measuring body size distortion and body dissatisfaction,” Behavior Research Methods, Instrumentation & Computers, 2004, 36(1) 89-95

Johns, Craig J. & Boice, R. “Experimental Design For Body Image Testing” Proceedings of the Symposium on the Interface, Security and Infrastructure Protection, Salt Lake City, Utah, 2003, (35) 535

MISCELLANEOUS EXPERIENCE AND INFORMATION: I hold a renewable Vocational Credential issued by the Colorado State Board for community colleges and occupational education. This is a state certification that I am qualified as a college level instructor.

I consider myself an electronics, ham radio and physics hobbyist. I have built and own a variety of electronic service equipment including a dual trace oscilloscope, signal generators and meters. I’ve worked with legacy computers: VIC20, Apple II+, ZX81, TRS-80 Model I, and IBM systems with custom voice I/O unit, and universal ROM/EPROM reader and programmer.

I have organized, and served as president of a local PC users group.

I have designed and built custom telemetry to sound conversion hardware to allow a blind person to operate a commercial radio station under contract to the state of Colorado Dept. of Social Services, Division of Rehabilitation.

I have developed and commercially marketed voice synthesis software for microcomputers.

I have written a custom program for keeping track of street maintenance under contract for the City of Pueblo, Engineering Division and have given classes for the city in computer operation.

I have served as Consulting Engineer and Chief Operator for local broadcast radio stations.

I have an interest in general aviation and have flown solo as a student pilot.