

# RUSSELL G. GREENWOOD

1901 Mint Julep Lane  
Lexington, KY, 40514

Cell phone: (859) 227-7381  
e-mail: russ.greenwood@gmail.com

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## **EMPLOYMENT OBJECTIVE:**

A professional position utilizing my experience in interfacing with people, property management, automation, instrumentation, controls, and basic networks.

## **EMPLOYMENT HISTORY:**

Christian Minister - Berlin Germany - 3/2016-3/2020. Initially caring for gospel outreach teams during the refugee crisis in Europe.

- Continued on as a serving brother of the Church in Berlin, and continued care of Farsi and Arabic speaking refugees, and local families, and maintenance of the meeting hall.

Property Maintenance Manager - Amana Trust's Bower House property and Bible School, London, UK - 9/2008 to 9/2015.

- Managed the electrical, lighting, plumbing, and heating systems maintenance. Managed the upkeep of buildings repairs and remodeling, and landscaping.
- My major accomplishments were the design and installation of a new boiler system for the Manor house, Reception building, and classrooms using Viessmann Vitodens gas condensing boilers and upgrading all the buildings lighting from fluorescent to LED.
- Taught some bible classes, and supervised the students in doing volunteer minor repairs and grounds work on Mondays.

Industrial Electronic Tech Master – Metro Water Services, Nashville, TN - 9/1992 to 4/2008 (Tech I – '92 to '98, Tech II – '98 to 2001, Tech Master - 2001 to 2008.)

- Maintain the plants networked Symphony distributed control system, both hardware and software, and add data points, trends, control graphics, and automated control sequences.
- Program, repair, and calibrate switchgear, VSDs, PLC's, and instrumentation.
- Specify and order upgrades and new equipment.
- Setup shop 'Inventory' and 'Instrumentation Calibration' tracking databases.
- Advise Operations personnel on control procedures for plant functions.
- Interim supervisor for electronics and electrical shops.
- Tech Master position includes cross training to do industrial electrical installation, and troubleshooting and repair of LV and MV switchgear, and medium voltage drives.

Engineer - Thomas Industries R&D Center, Sparta, TN 9/88 to 6/91.

Team engineer in design, development, and Q.C. of electronic fluorescent ballasts. Supervised dept. technicians. Coordinated FCC and UL approval of products. Was active member on ANSI High Frequency Harmonics Task Group, and High Frequency Ballast Standard. Cosigner on dimmable ballast design patent.

Test Engineer - GPA - Whirlpool Corp., Laverne Div., TN 5/87 to 4/88

Contract engineer to Whirlpool through GPA Co. Finished developing computer software to control calorimetric test rooms for room air conditioners using real-time multitasking computers. Also added calibration and diagnostic routines. Verified calibration, safety, and proper operation of all support equipment.

Electronics Instructor - United Technical Institute, Nashville, TN 6/86 to 5/87

Courses taught: Analog Circuits & Devices, Digital Electronics, Printed Circuit Design/Circuit Drawing, Electricity/DC Circuits, and Electronic Math. Wrote course outlines for Digital Electronics and Analog Circuits and Devices courses.

Test Engineer - Eta Power Systems, Long Beach, CA 8/85 to 2/86

Supervised 10 technicians in testing of switch mode power supplies. Responsible for subassembly testing, assembly line initial and final testing, and trouble-shooting and tracking of returned units. Started product tracking procedure. Designed new testing fixtures and procedures to increase automation and reliability of testing.

Development Engineer - L.H. Research, Tustin, CA 6/84 to 8/85

Coworker on teams developing the IM, DMA, and DMX series of switching power supplies. Also had six months training in Safety, Magnetics, and Component Engineering.

#### Interim Positions:

Adjunct Instructor – Nashville State Tech. 8/95 to 12/00  
Taught Intro to Electronics and Digital Circuits classes with labs.

Consulting for industrial controls and computers.

## **EDUCATION:**

B.S. Degree in Electronic Engineering Technology - June 1984  
California State Polytechnic University, Pomona CA

Nashville State Tech, Nashville TN

Machines and Controls - 1993

Automated Controls - 1993

Cisco Routers I thru IV, Cisco Networking Academy curriculum – 2003 to 2004

#### Other

- Wastewater Treatment class toward grade 4 certification. Included NPDES and TDEC permits. Fleming Training Center, Murfreesboro, TN 8/06
- In-plant Process Control classes on:
  - Waste water treatment processes and capacities, process hydraulic loading controls, and flow management throughout the plant
  - OSHA and TOSHA regulations for confined space entry, PPE, MSDS, and Emergency Response Plan (ERP) Certification
  - Section 401 Water Quality Certification Process