

# CHRISTOPHER COURSON

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- Broad and deep knowledge and experience in information technology and point of sale systems.
- Project management.
- Microcontroller and FPGA embedded developer.
- Reverse engineering and schematic drafting.
- Robotics and industrial control.
- Technical writing and executive overviews.
- Documentation and Training.
- Deep understanding and experience in electrical and electronic components.
- Full-stack web development.
- Full-stack desktop and enterprise software development.
- Full-stack SQL and MySQL developer.
- 3D printing.
- Systems and component-level troubleshooting.
- Product evaluation.

## EXPERIENCE

**DATES FROM AUG 1996 TO PRESENT (22 YEARS)**

### **SYSTEMS SPECIALIST, MACY'S TECHNOLOGY**

Develop and establish repair processes, workflows and documentation. Provide guidance and training for component-level bench technicians and field technicians. Develop diagnostic software for troubleshooting and testing point-of-sale equipment. Developed operating system and application deployment tool named Autostage Plus used enterprise-wide to restore hardware configuration in repair and in the field to prevent shipping equipment to repair. Developed enterprise repair management application called IntraNRC used across three repair centers to manage repair activity and parts inventory purchases and consumption from receipt of equipment to shipping. Developed enterprise deployment management software called NDC used to receive inventory from vendors and track to installed site for deployment projects. Reverse engineer, analyze and compare vendor proposed products in consideration for onboarding. Perform difficult or one-off component-level repair. Developed wireless door access and fume extraction control system which integrates into IntraNRC. Received two President's Awards and several achievement awards.

**DATES FROM JAN 1993 TO AUG 1996 (4 YEARS)**

### **MIS DIRECTOR, DEALER SERVICES LLC**

Installation and maintenance of Linux-based POS system. Store openings and closings. Project management. Vendor warranty returns processing. Cellular telephone and car audio component-level repair.

**DATES FROM AUG 1983 TO DEC 1992 (9 YEARS)**

**ELECTRONICS TECHNICIAN FIRST CLASS, UNITED STATES NAVY**

Radio systems maintenance, installation and operation and component-level repair at White House Communications Agency in direct support of the President and Vice President of the United States, United States Secret Service and others as directed. Extensively traveled abroad. Meteorological equipment component-level repair. Received Navy Commendation and two Joint Service Commendations. Good Conduct discharge.

## EDUCATION

**1986**

**1413 RATING, US NAVY METEOROLOGICAL EQUIPMENT MAINTENCE CLASS C SCHOOL**

Component-level weather observation equipment repair.

**1985**

**ELECTRONICS TECHNICIAN, US NAVY ELECTRONICS TECHNICIAN CLASS A SCHOOL**

Basic and advanced electronics theory and components, troubleshooting and communication and radar systems component-level repair. GPA 3.8.

## SKILLS

- Many programming languages including C++, C#, Java, Lua, Python, Perl, R, MATLAB, assembly language for many processors and more. Functionally familiar with Forth, Ada, Lisp and more.
- Vast and deep knowledge in electrical and electronic components, microprocessors and microcontrollers.
- Experienced in project management.
- Broad knowledge of radio frequency principles and repair.
- Microsoft Office, iWork and Google Drive savvy.
- Well experienced in Microsoft Windows, iOS, Mac OS, Android and Linux.
- Accomplished in ASP.Net, Apache, SQL Server, MySQL, DNS records and SEO.

## ACTIVITIES

I am passionate about learning. I take time every day to pursue new knowledge. I am accomplished in electronics, computer programming and web technologies. My friends and colleagues often seek my advice first because they know I will not only give them the answer they are looking for but will explain the details. I like technical writing. I operate game servers. I learn very quickly. I build electronics projects and perform experiments at home. I am always upbeat, motivated and curious. I am dependable and always follow through. I believe one must work at the level of their next position in order to achieve it. I am a systems thinker. It is often said I don't quit or give up. I believe in Integrity Always. I look out for others. I have traveled abroad extensively and enjoy learning cultures.