

# CHARLES T. BELL

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## DIGITAL ENGINEERING PROFESSIONAL

Dynamic process development professional with more than 13 years of experience in all aspects of technology testing and engineering. Track record of consistently driving product growth with proven ability to ensure compliance, deliver excellent customer service, and successfully implement complex solutions. Outstanding strategist distinguished for leadership and conflict resolution abilities. Seeking to use recent Electronic Engineering degree to drive technological process and product improvement.

### AREAS OF EXPERTISE

Strategic Planning • Product & Process Design • Electronic Design • SoC Implementation  
Customer Service • Technology Engineering • Data Analysis • Plat Interpretation • Cable Splicing

### PROGRAMMING EXPERTISE

C • C++ • Java • Bash • Matlab • VHDL • Ada • Assembly Language

### PROFESSIONAL EXPERIENCE

**AT&T (formerly SOUTHERN BELL & BELLSOUTH), 850 Orange Avenue, Port Orange, FL, 1972-2008**

- Oversee installation quality control for Telcordia Technologies, developing process improvements and systems to ensure continuous expansion of technology.
- Act as Project Manager, placing and removing cross-connects in DACS, OC3, OC12, and OC48 systems and placing drops and pass-through in OCs for T1s, T3s, and STS-1s.
- Lead testing of equipment and networks, utilizing T-Berd when testing T1s, T3s, and optical networks; connect, test, and disconnect ISDN lines on mainframe and within switch.

#### Key Accomplishments:

- Collaborated with supervisor, creating processes to eliminate material duplications and overstock. Improvements resulted in significant monetary savings, \$10,000+
- Developed method to increase equipment testing efficiency, resulting in implementation of new protocol for testing.
- Upheld customer service standards and created relationships with clients that ensured longevity.
- Managed fiber apparatuses, placing and removing jumpers into bay for cross-connecting equipment; operated OTDR when testing fiber for openings and line losses, significantly increasing efficiency.
- Maintained SLCC systems, performing turn-ups on non-integrated systems and updating software across systems to ensure highest caliber of performance.
- Oversaw OSHA compliance, ensuring all testing met or exceeded industry standards.
- Patent: US 2009/0039863 A1 – Isolating An Inactive Cable Pair From A Bridged Active Cable Pair.

*Previously achieved honorable discharge from United States Army.*

### EDUCATION

- **DeVry University**, Florida, Bachelor of Science, Electronic Engineering Technology, 2014
- **Daytona State College (formerly Daytona Beach Community College)**, Various Courses

### PROJECTS

- Organization Membership includes: IEEE, 2001-Present, and Mensa, 1987-Present
- Martial Arts, First & Third Degree Black Belt
- Outstanding Soldier of Quarter, 1970
- Courses include: Digital & Analog Signal Processing, Circuits & Systems, Microprocessor Interfacing, Mechatronics, Data Communications & Networking, Object-Oriented Programming, Product Development, Electronic Circuits & Devices, Microprocessor Architecture, Signal Processing, Communications Systems, and Structured and Application Programming.

## PROFESSIONAL DEVELOPMENT

- Created motor control with feedback to stabilize motor speed in Mechatronics class
- Created a C++ program in Advanced C++ class that can control an infusion pump
- Created a C program that decoded a DTMF signal to display a number and answer the incoming call in Advanced DSP class
- Created a small wheeled robot controlled by a remote control
- Created a virtual OS in Microprocessor Architecture class