



Broadata Communications, Inc. (BCI), a subsidiary of Intellisense Systems, Inc., is a privately held, California-based corporation. BCI has a reputation as a leading and innovative company specializing in the development of market-driven products for the transmission of digital multimedia (video, audio, and data) over fiber.

Many of BCI's clients are world leaders in their industry, which span a wide variety of industry segments including entertainment, broadcast, medical, professional audio/video, house of worship, education, government, military, and transportation.

We are looking for a talented and motivated **Embedded Software Engineer** to be a key contributor in firmware development and implementation on our Pro AV products.

This is a hands-on, in person position. This is NOT a remote position.

#### **Job Responsibilities:**

- Assist and participate in firmware development, design and review for new products and prototypes.
- Modify firmware for improved product performance and the addition of new features.
- Document firmware designs and code with specifications and source comments, and create end user documentation.
- Collaborate with project managers and other professionals within Engineering.
- Work on problems with defined scope, schedule, and expectations.
- Participate in internal review of software components and systems.
- Other responsibilities as assigned

#### **Qualifications:**

- Bachelor's degree in Electrical Engineering Computer Engineering or Computer Science.
- 1 to 3 years of hand-on experience with embedded system design as well as firmware and software development.
- Proficiency in C.
- Experience with developing firmware for Arm Cortex M/ STM32 Micro-controllers.
- Experience with peripheral communication protocols (I2C, SPI, UART, PWM).
- Applied scripting techniques (shell scripting, Perl, Python) to improve efficiency.
- Knowledge of hardware schematic.
- Experience with FPGA, Verilog is preferable.

#### **Benefits:**

- Medical, Vision, Dental Insurance
- 10 paid holidays
- 401(k) matching, 100% of the first 4% in eligible compensation
- Flexible Spending Account
- Voluntary Life Insurance