



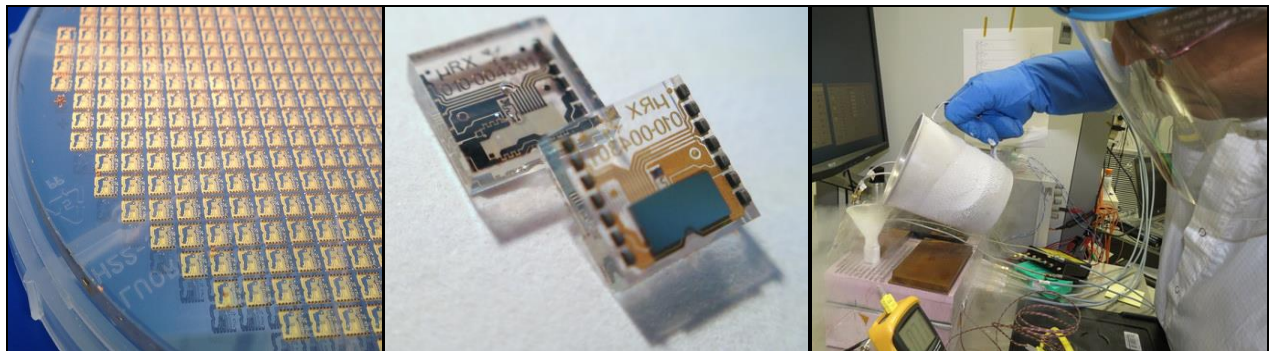
ENGINEERING CAREER OPPORTUNITY

Embedded Software Engineer

ABOUT ULTRA COMMUNICATIONS

Ultra Communications Inc. designs, develops and manufactures high performance optical interconnect solutions for High Reliability (Hi-Rel) Space, Mil/Aero, Marine, Industrial and Harsh Environment (HEFO) applications. Their patented designs and processes enable the highest performance, smallest footprint, highest reliability optical solutions available in the industry and are the only Radiation Hardened (Rad Hard) products available, anywhere in the world, for space applications. Located in Vista CA, UltraComm is currently ramping production capability to address their customers high volume product needs.

The UltraComm work environment is a unique combination of development lab and production facility with an atmosphere of family and professional camaraderie. If you relish challenges and enjoy creating never before possible products, UltraComm is the place for you.



Position Overview: Reporting to the VP of Engineering, the Embedded Software Engineer architects firmware solutions and drives projects through completion; analyzes, designs and develops product enhancements and new modules; manages development project from initial design through testing, release, and customer support, while providing strategic management direction. This position is a key member of an interdisciplinary team developing fiber optic transceiver modules for harsh environments. The position requires an exceptionally well trained, dedicated engineer with a strong breadth of experience in software design, particularly emphasizing bare-metal firmware solutions. Candidate must thrive in a dynamic environment, executing on multiple projects simultaneously with the highest degree of efficiency and accuracy.

Job Knowledge, Skills and Abilities:

- Must have an expert knowledge of software engineering fundamentals and firmware development, preferably as related to high speed fiber optic communication transceiver modules.
- Analytical and critical thinking abilities required to develop creative solutions. Detail oriented.
- Strong written and verbal communication skills required to present solutions to internal and external stakeholders.
- Strong interpersonal skills required to build working relationships with customers, vendors and coworkers.



- Must be able to articulate, communicate and apply sound, proven business and engineering practices.
- Ability to successfully execute multiple tasks in a fast-paced, dynamic and high visibility work environment.

Technical Knowledge requirements:

- Strong background in bare-metal firmware development; experience with Silabs C8051 and NXP K-Series ARM MCUs desirable.
- Able to develop firmware in C for embedded microcontroller applications from inception.
- Able to develop and maintain Windows application in C#.
- Experience with SPI, I2C and RS-232 interfaces.
- Experience with version control software and release management (SVN preferred).
- Familiarity with software quality processes and software test.
- Familiarity with single board computers, such as RaspberryPi

Experience/Education:

- BS in Software Engineering, Computer Engineering, or Electrical Engineering with 4 years of experience required.
- MS in Software Engineering, Computer Engineering, or Electrical Engineering with 3 years of experience preferred.
- Experience with firmware for high-reliability application such as avionics, biomedical, automotive, etc., preferred.
- Hands on experience working in a start-up company environment is preferred.

Ultra Communications offers competitive salaries, Medical, Dental, Vision insurance, 401k with company match and employee bonus program. Due to our government contracts and access to private information, all candidates must be either a US Citizen or Permanent Resident. Please send resume and cover letter to CAREERS@ULTRACOMM-INC.COM. Qualified individuals being considered will be contacted for interview.

UltraComm supports a diverse workforce and is committed to a policy of equal employment opportunity for applicants and employees. UltraComm does not discriminate on the basis of age, race, color, religion (including religious dress and grooming practices), sex/gender (including pregnancy, childbirth, or related medical conditions or breastfeeding), gender identity, gender expression, genetic information, national origin (including language use restrictions and possession of a driver's license issued under Vehicle Code section 12801.9), ancestry, physical or mental disability, legally-protected medical condition, military or veteran status (including "protected veterans" under applicable affirmative action laws), marital status, sexual orientation, or any other basis protected by local, state or federal laws applicable to the Company. UltraComm also prohibits discrimination based on the perception that an employee or applicant has any of those characteristics or is associated with a person who has or is perceived as having any of those characteristics.