

CITY THEATRICAL

NEW YORK • LONDON

Job Description

Re-posted: February 21, 2023

Title: Computer Engineer
Reports to: Head of Engineering

Department: Engineering

City Theatrical has been inventing and manufacturing award-winning, industry leading products and technology for over 37 years. Even if you have never heard of City Theatrical, chances are you have seen our industry trusted products bring to life productions like:

Broadway: *MJ The Musical, Moulin Rouge! The Musical, Hamilton, The Phantom of the Opera, The Lion King*, among [many others](#).

Tours: Carrie Underwood's [The Denim & Rhinestones Tour](#), Madonna's MDNA Tour, America's Got Talent (AGT), U2's 360 Tour, Taylor Swift's Red Tour, and more.

Broadcast Television studios: [CBS Studio](#) for *Evening News with Norah O'Donnell*, [ESPN Studio Y](#) for *SportsCenter*, NBC's *The Tonight Show, Saturday Night Live*, and *Late Night with Seth Meyers*, MSNBC News, Fox News, NBC Sports, and more.

TV and Film Industry Projects: [The Unicorn](#), Netflix Film [End of the Road](#), [Stranger Things](#) Season 4, *The Gilded Age, The Marvelous Mrs. Maisel*, and more.

City Theatrical's dedication to be the best in the industry exemplifies the company's culture and motto: We invent, manufacture, and customize unique lighting accessories and technology.

Outlook: If you are comfortable designing electrical schematics as you are at building prototypes and writing lines of firmware, then become a member of City Theatrical's tight knit Engineering team. We are a hands-on team with design and development work some engineers will never have the chance to do.

Representative Responsibilities:

- Design Engineering
 - Contribute to the product development process with product definition ideas and original design solutions
- Engineering
 - Construction of Prototypes
 - Assist with formulation of test criteria for products
 - Perform performance tests on products
 - Assist with maintaining lab materials, supplies and tools
 - Assist Engineers in developing manufacturing procedures and documentation for new products
 - Assist in compliance testing
 - Create ERP Bills of Materials and ERP structures for new designs
 - Contribute to manufacturing training and supervision for electronics products

US HEADQUARTERS
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- Make firmware revisions to existing and in development products
- Develop firmware for embedded systems (ATMEL/ARM/MICROCHIP)
- Develop firmware software using C, C++, Verilog, VHDL
- Develop Firmware and applications for Bare Metal, Android, iOS, Windows and macOS
- Engineering Documentation
 - Create/Edit Theory of operation Documents
 - Create/Edit Manuals
 - Create/Edit Cut Sheets
 - Create/Edit Assembly instructions
 - Create/Edit QC procedure Instructions
 - Create/Edit Compliance reports

Additional Responsibilities:

- Other duties as assigned
- Completes special projects and requests in a timely and positive fashion

Knowledge, Skills and Abilities:

- Fluency with standard electronics test equipment including DDM and Oscilloscope
- Advanced PCB level soldering skills, SMD and Thru-Hole
- Fluency with standard engineering documentation such as conventional electronic schematics, etc.
- Ability to identify standard electronics components and determine their values using industry standard ID references
- Understanding of electrical components including IC's
- Reliable knowledge of and ability to apply good electrical safety practices
- Excellent communication and organization skills
- Ability to work independently and as part of a team
- Effective problem solving and creative thinking skills
- Flexible and able to adapt to change
- Able to lift up to 50 pounds
- Interacts "professionally" on a consistent basis with coworkers, other departments, suppliers and contract manufacturers.
- Consistent positive attitude.
- Communicates effectively.
- Can accept feedback.

Education and Experience:

- Bachelor of Science degree in Computer Engineering or similarly related field and 0-1 years of experience, or
- Associates Degree in Electronics Engineering or similarly related field and 5+ years of experience
- Equivalent professional experience

Compensation Includes: Competitive Salary, Profit Sharing, 401K, Health Benefits, Dental Insurance, Paid Time Off, Vision Insurance.

To apply, send your cover letter and resume to: info@citytheatrical.com

Connect with City Theatrical!



<https://www.citytheatrical.com>