

# CITY THEATRICAL

NEW YORK • LONDON

## Job Description

Posted: October 2022

**Title: Computer Engineer**

**Department: Engineering**

**Reports to: Head of Engineering**

**Purpose:** 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
  - 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

**US HEADQUARTERS**  
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[www.citytheatrical.com](http://www.citytheatrical.com)

**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

To apply, send your cover letter and resume to: [info@citytheatrical.com](mailto:info@citytheatrical.com)

**Computer Engineering*****Training Requirements***

New Employee Orientation  
 Facility Tour  
 Company Profile  
 Phone Training  
 MSDS-Safety Training  
 Personal Protective Equipment  
 Computer Training  
 City Theatrical Products

**Approval:**

HR Manager: \_\_\_\_\_

Head of Engineering: \_\_\_\_\_

President: \_\_\_\_\_