

APPLICATIONS ENGINEER INTERN

Department:	<i>Business Development</i>
Reports To:	<i>Applications Engineering Manager</i>
Supervises:	<i>N/A</i>
FLSA Classification:	<i>Exempt</i>
Approved By:	<i>Russell Farrell</i>
Revision Date:	<i>02-28-2018</i>

JOB PURPOSE:

Facilitate Application Engineering team in identifying efficiencies and creating tools and software that helps drive business growth.

Assist Application Engineers where needed.

ESSENTIAL DUTIES and RESPONSIBILITIES:

- Use coding standards to show best practices.
- Software Library Creation
- Demo Software Programs
- Misc.

% of Total Time

30
30
30
10

Sales Demo Applications

- Create display, keypad, and controller logic for main products that interacts together or independently.
- Create the code so that it can be disseminated to customers for example projects.
- Use coding standards to show best practices.

Software Library Creation

- Develop C program libraries for both internal and external use based on existing projects
- Create example code and API's for customer and internal integration
- Use coding standards to show best practices.

Demo Software Programs

- Create applications to show customers how to do certain applications like joystick control, display functionality, CAN messaging, etc.
- Use coding standards to show best practices.

An individual in this position must be able to successfully perform the essential duties and responsibilities listed above. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions of this position.



The above list reflects the general details necessary to describe the principle and essential functions of the position and shall not be construed as the only duties that may be assigned for the position.

MINIMUM QUALIFICATIONS:

Education

- Currently pursuing a BS Degree in Electrical Engineering or related Engineering Degree

Experience and/or Training

- Completed at least 2 years of course work towards a BS Degree in Electrical Engineering or related Engineering Degree
- Proficient in:
 - C or C++
- Knowledge of:
 - Working with hardware, schematics and datasheets
 - Controller Area Network (CAN)
 - Closed loop controls such as PID
- Detail oriented
- Excellent communication and interpersonal skills; ability to communicate with customers in a customer service role
- Customer empathy / customer advocate mentality

PHYSICAL AND MENTAL DEMANDS:

While performing the duties of this job, the employee is frequently required to sit, talk and/or hear, and/or use hands to finger, handle, or touch objects, tools, or controls. The employee is occasionally required to stand, and/or walk. The employee must occasionally lift and/or move up to 10 pounds while moving files or small packages. Specific vision abilities required by this job include close vision and the ability to adjust focus.

The mental and physical requirements described here are representative of those that must be met by an individual to successfully perform the essential functions of this position.

WORKING ENVIRONMENT:

Work is typically performed in an office environment. The noise level in the work environment is usually moderate. Frequent travel to a customer’s location may be required and may include factory or test environments.

The work environment characteristics described here are representative of those an individual encounters while performing the essential functions of this position.

I have read and understand the duties, responsibilities and requirements for this position.*

Employee Acknowledgement

Date

*This document does not create an employment contract, implied or otherwise, other than an "at-will" employment relationship. HED, Inc. retains the discretion to add duties or change the duties of this position at any time.