

Software Test Co-Op

Department:	<i>Engineering</i>
Reports To:	<i>Lead Software Engineering</i>
Supervises:	<i>N/A</i>
FLSA Classification:	<i>Exempt</i>
Approved By:	<i>Thomas Christiansen</i>
Revision Date:	

JOB PURPOSE:

Design, develop, and execute tests for software running on HED® products.

ESSENTIAL DUTIES and RESPONSIBILITIES:

- Designing, developing, and executing tests
- Designing and developing software- focused around automating manual tests
- Misc.

% of Total Time	
	60
	30
	10

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

- Current enrollment in an accredited college or university, pursuing a Bachelor's degree in Electrical Engineering, Computer Science, or directly related field.

Experience and/or Training

- 0-5 years of software development
- Proficient in:
 - C or C++
- Knowledge of:
 - Working with hardware, schematics, and component data sheets
 - Standard programming concepts, practices, and procedures
 - Creating and executing functional tests based on requirements or user stories

- Abilities:
 - Good verbal and communication skills
 - Technical verbal and written communication skills

PREFERRED QUALIFICATIONS:

Experience and/or Training

- Proficient in:
 - Agile development practices
- Knowledge of:
 - Network Management (Ethernet, Cellular, Wi-Fi)
 - Raspberry Pi or similar embedded board development
- Abilities
 - Root cause analysis
 - Using scopes, digital multi-meter, and other similar equipment
 - Managing multiple project\tasks

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 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. Infrequent 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.