

HATS

POSITION DESCRIPTION

Position Title: Hardware Engineer

Overall Purpose and Main Objectives:

Human Automation Teaming Solutions (HATS) is a startup developing advanced automation specifically designed to seamlessly collaborate with humans in complex command-and-control/supervisory applications.

HATS is looking for a hardware engineer who will develop human-centered command and control hardware for concurrent real-time management/supervision of multiple semi-autonomous systems. This engineer will work on the entire hardware/software development life cycle, including specification, design, implementation, testing, and maintenance. The engineer must also be able to learn new domains (e.g., human factors), utilize new technologies (e.g., machine learning, data mining, voice interfaces), and interact with a diverse group of multidisciplinary professionals. Prior familiarity with any of these areas will be considered a plus.

This position may require exposure to information which is subject to US export control regulations, i.e. the International Traffic in Arms Regulations (ITAR) or the Export Administration Regulations (EAR). All applicants must be U.S. persons (US Citizen, or Permanent Resident/Green Card Holder).

Essential Duties and Responsibilities:

1. Perform all phases of hardware/software engineering including specification, design and analysis, implementation, and maintenance and testing
2. Ensure company's development best practices are followed by team members
3. Communicate with team members and stakeholders to
 - a. Elicit, change, and manage new requirements for new and existing projects
 - b. Work on site with customers
 - c. Present progress on projects
4. Hardware/Software integration via plugin components, libraries, network, or web technologies
5. Integrate hardware and software, such as gas monitoring sensors
6. Write user and internal documentation for hardware/software

Required Knowledge and Experience:

Entry:

Demonstrates skill in the following areas:

- BS or higher in Electrical/Computer Engineering or related fields, OR 4 or more years of hardware development experience
- Strong communication (written and verbal), planning, and organizational skills
- At least 1 year of C, C#, C++, or Python development experience
- At least 1 year of Robot Operating System (ROS) experience in aerial drones or ground rovers
- Familiarity with Matlab or serial communication protocols such as UART, I2C, CAN etc.
- Demonstrate familiarity with Linux based operating systems
- Demonstrate creativity and self-motivation in past projects and experiences

Physical Requirements:

Normal office environment. Ability to travel required to satisfy job requirements.

"The above statements are intended to describe the general nature and level of work being performed by people assigned to this job. They are not intended to be an exhaustive list of all responsibilities, duties, or skills required of personnel so classified."

Equal Employment Statement

Human Automation Teaming Solutions, Inc. provides equal employment opportunities (EEO) to all employees and applicants for employment without regard to race, color, religion, sex, national origin, age, disability or genetics. This policy applies to all terms and conditions of employment, including recruiting, hiring, placement, promotion, termination, layoff, recall, transfer, leaves of absence, compensation and training.

Email resume and cover letter.

Dr. Nhut Ho, President

Human Automation Teaming Solutions, Inc.

20944 Sherman Way, Suite 211, Canoga Park, CA 91303

(818) 461-4186 or (818) 401-3221

Website: www.hats.solutions

Email: nhutho@hats.solutions