

Who is BusPatrol?

Here at BusPatrol America our goal is to create a culture of responsibility and awareness on the road. We aim to make the journey to and from school safer. Join us on our 'Mission to Zero' campaign. Through educating drivers and correcting behavior through stop-arm enforcement, we can see a day where there are no illegal passings on the road. We bring parents closer to their child's journey and make those who care for the children more accountable by increasing safety using HD video & archiving. We use some of the same technologies in your smartphone including GPS, HD video, cloud storage, real-time updates, analytics, and encryption. More technology means more accountability and more security for the wellbeing of our children. This is the most modern solution to a basic necessity: enhancing and protecting the lives of our kids.

BusPatrol turns America's school buses into Smart Buses. Our Smart Buses are equipped with video, GPS, telemetry, data processing and archiving. BusPatrol provides more technology which means more connectivity, accountability and security. As a result, BusPatrol's stop-arm camera safety technology enhances and protects the lives of our children.

Position Overview

BusPatrol's R&D team is looking for a highly self-motivated individual who is ready to take on a technology development and innovation role. The candidate should possess good attention to detail, good mentorship ability, be creative, and possess good time management skills. This position is for research and development of mobile digital video recording computers and high resolution camera integration. This position allows the candidate to assist in developing state of the art tech to broaden BusPatrol's portfolio of next generation products. The candidate will also be responsible to support cross-functional engineering throughout multiple HW and SW groups within the organization.

Essential Responsibilities

- Provides support to all clients and field technicians regarding issues and/or upgrades.
- Prepares and completes assigned tasks in an efficient manner and within allotted timeframes.
- Documents procedures performed, findings and/or other issues.
- Evaluates various design alternatives to determine optimal design to achieve project goals.
- Provides courteous and prompt service to all internal and external parties. Prioritizes and addresses requests and assignments in a professional and cooperative manner.
- Assists in the implementation of quality improvement initiatives.
- Assists co-workers in the completion of tasks and assignments to ensure continuity of service. Actively supports teamwork throughout BusPatrol.
- A strong team player, self-motivated and positive attitude.

Minimum Qualifications

- Excellent communication skills with a strong analytical approach to problem-solving.
- Bachelor's degree or equivalent practical experience is required.
- Must exhibit a high degree of professionalism and maintain the highest level of confidentiality.
- Must be able to demonstrate critical thinking and analytical skills.
- Must have excellent interpersonal, written and verbal communication skills in business and technical environments.
- Professionally and appropriately communicate with a diverse group of individuals.
- Able to work in a highly organized manner within a fast-paced, innovative, and continuously changing environment.
- Must be computer literate with the capability of performing at an intermediate or advanced level with respect to the Microsoft Office Suite of products, specifically Excel, Word, and PowerPoint.
- Ability to work with cross functional development (HW and SW) and Quality Assurance (QA) teams to diagnose/root-cause issues and deliver best in class camera solutions.

Preferred Skills

- Experience with camera hardware systems, image capture and analysis using CCD or CMOS sensors.
- Experience in one or more of the following: camera calibration, ISP pipelines, image sensor validation, computer vision algorithms and/or computational photography.
- Experience with camera software integration on Linux platforms, identify performance bottlenecks in the system and take ownership of the related optimizations.
- Experience with CAD software such as Fusion 360 to assist with prototyping new hardware ideas and designs.

Benefits

- Work/Life Balance: Paid Time Off, Paid Maternity/Paternity Program, Paid Holidays, Fun In-Office Activities
- Financial Benefits: 401(k) Plan, Voluntary & Group Life Insurance, Short- and long-term Disability Insurance, Medical FSA, Competitive Salaries.
- Health & Wellness: Health Insurance (90% paid by BusPatrol), Dental Insurance, Vision Insurance, Employee Assistance Program, Wellness Program, Gym Discounts, Health Savings Account.

Join our team of professionals and take a firm step forward in your career. With a defined career path for a range of specialties and skill sets, BusPatrol is a place where professionals of all experience levels thrive. With a rich office culture and a strong commitment to work/life balance, BusPatrol is a place where you'll be happy to grow.