

JOB DESCRIPTION FOR:
SOFTWARE APPLICATIONS ENGINEER (New Grad)

Please also include your resume and cover letter when applying.

APPLICATION DEADLINE:

2021-09-16

BENEFITS:

- Casual dress
- Company events
- Paid time off

SCHEDULE:

- Monday to Friday

JOB SUMMARY:

A highly motivated individual is sought for a 4-month contract position with the possibility to transition to a permanent full-time position. The primary duties involve embedded software/firmware development, firmware testing/validation, and field demonstrations (in customer sites). The successful applicant will maintain the company's embedded software in products designed and manufactured by NZ Technologies Inc. in addition to professionally representing the company at remote demonstrations, evaluations, and installations.

ABOUT NZ TECHNOLOGIES INC:

Established in 2009, NZ Technologies Inc. (NZTech) works in the field of Human Machine Interaction (HMI) with specializations in touchless sensors, machine vision & artificial intelligence, and embedded systems. NZTech's software and hardware is designed and built in-house at our office in Vancouver, BC. Our core products, TIPSO™ and HoverTap™ are proprietary technologies that have evolved from the technical expertise and unique industrial experience of our engineering team, with significant feedback from experienced advisors from the medical and other industrial sectors. The team recently won the 2020 BCTech Technology Impact Award for Company of the Year - Startup Success.

TIPSO™ is an award-winning family of products™ for surgeons who need to efficiently interact with radiology images in the Operating Room (OR). It is designed to fit seamlessly in their challenging work environment and NZTech is continuously working with clinicians to research, develop, and deploy new sensing technologies to aid doctors in their critical work. HoverTap™ is a new user interface technology that enables touchless controls over existing panels, LCD displays, and the like. Its practical design allows it to be retrofitted quickly and enables touch-free interactions with panels of all shapes and sizes. For example, HoverTap™ has been installed in elevators to enable a fully touchless elevator experience. Easily retrofitted to existing buildings, the HoverTap™ panel allows for simple hand-wave and finger-point interactions.

JOB DESCRIPTION:

Do you want to join a rapidly growing team that is working on cutting-edge technology to innovate for a safer tomorrow? NZTech is looking for a proactive individual that is keen on solving dynamic problems and driving meaningful changes at a small technology innovation company. The position will focus on working with the engineering team in product development – including, but not limited to, creating internal tools, firmware development, modular developmental testing, and more. The position requires an individual who is able to professionally represent the company and support products at remote demonstrations, evaluations, and installations (primarily at hospitals) locally in Canada and abroad in United States, Europe, and Asia. The ideal candidate will have a strong background in working with embedded systems and firmware development – they will also be comfortable meeting and interacting with new people, adaptive to new circumstances, and technically capable of customizing solutions based on customer requests.

The successful candidate will work closely with the engineering team in not only software/firmware development, but also embedded microelectronics and sensors. The position not only offers tremendous learning opportunities, but also great potential for career advancement. Most importantly, you will join an uprising high-tech start-up in its early stages to make a direct impact on the company's growth.

DUTIES/RESPONSIBILITIES:

- Develop software suite of applications and tools to meet the demands of the expanding NZTech portfolio
- Develop and maintain firmware for NZTech hardware devices
- Develop a strong technical understanding of TIPS0 products and how they are used in operating rooms
- Provide field servicing, troubleshooting, and hands-on training at customer sites
- Configure, troubleshoot, and support product evaluations and installations
- Assess potential application of products and offer solutions to meet customer needs
- Represent NZTech and manage technical installs at trade shows and other business events
- Note: travel to clinical sites is required for this position: 1-2 times per month (~25% time)

MINIMUM JOB REQUIREMENTS:

The prospective candidate should have the following skills/experience:

- A university degree in Electrical, Computer, or Biomedical Engineering, or Computer Science (or the like)
- Minimum 1 year of relevant experience
- Good programming skills with OOP languages such as C, C++, Python and automation scripting
- Knowledge of Network and Server-client infrastructures
- Collaborating via version control software (i.e Git)
- High level of professionalism, ability to communicate with hospital staff and other technical personnel
- An excellent command of written and spoken English
- Autonomous and self-motivated
- Strong interpersonal, follow-up, and documentation skills
- Able to prioritize, organize, and multi-task in a fast-paced environment
- Comfortable using basic hand tools and packing/traveling with company equipment
- Meet required credentials for work in the healthcare industry:
 - Hep B, MMR, Varicella, Tetanus & Diphtheria, and TB Immunity (should be willing to receive vaccines)
 - Clear SOR and background checks

To apply, please send your resume/ cover letter to naomi@nztech.ca