

Parados Cerebral Solutions Inc.

Fredericton, New-Brunswick, Canada
www.parados.ca



PCS is expanding! We are currently looking to fill the following position:

Position title: Jr. Mechatronics Engineer

Parados is a start-up that aims to reduce the frequency and severity of traumatic brain injuries in athletes and military personnel while improving performance. We are currently looking to add to our young team by bringing on an individual with a passion for technology and helping others safely reach their full potential. Parados is currently working with the Concussion Legacy Foundation of Canada towards the development of a comprehensive health & performance service that analyses body dimensions, stress, sleep, and fitness data to mitigate the risk of serious injuries using data analytics and motion-sensing wearable devices.

The role will begin as early as [month-year], in-person with potential for a remote working position. Responsibilities for this position include but are not limited to:

Responsibilities:

- Designing, developing and enhancing electro-mechanical systems and mechatronic prototypes
- Creating automated systems and the software to control them.
- Conducting research, documenting findings, and presenting reports at meetings.
- Developing design documents for mechanical parts and final products.
- Identifying areas of weakness in the production line or finished products and making recommendations for improvement.
- Understanding problems or client briefs and developing solutions that satisfy them.
- Selecting the required tools and materials for the manufacturing process.
- Assisting with recruitment, onboarding, and training of junior Engineers or Apprentices.
- Attending workshops, training sessions, and conferences to network with others and stay on top of field advancements.

Requirements:

- BSc in Mechatronics Engineering or a similar degree.
- A completed apprenticeship or additional courses would be advantageous.
- Strong mathematical, analytical, and creative thinking skills.
- Ability to work in a team or alone.
- Self-starter with a passion for Engineering.

Assets for this position include:

- An interest in sports, technology, health & wellness.
- Experience working with open-source software, using Java / Javascript / Python or similar languages
- Understanding of basic biomechanics and 3D printing principles

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Necessary soft skills include but are not limited to:

- Adaptability
- Autonomy
- Communication
- Critical Thinking
- Resourcefulness
- Teamwork
- Willingness to learn and improve

Applicants interested in the position are encouraged to submit their resume and cover letter to pascal@parados.ca, include information about your favorite sports in your cover letter.

This internship is funded by the Government of Canada under its Digital Skills for Youth (DS4Y) program. DS4Y, an initiative from Innovation, Science and Economic Development Canada (ISED), provides an opportunity for youth to gain valuable training and work experience needed for today's digital economy.

For more information about the DS4Y program in New Brunswick, please visit <http://www.cybernb.ca/DS4Y>

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