

Parados Cerebral Solutions Inc.

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



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

Position title: Jr. Mechatronics Engineer

Parados is a data analytics company that provides athletic organizations with performance optimizing strategies by focusing on cognitive load management. Our platform uses artificial intelligence to help predict and mitigate the risk of head & cervical conditions by combining health monitoring software with wearable devices.

Responsibilities:

- Designing, developing and enhancing electro-mechanical systems and 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 other engineers.
- 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 apply critical thinking to data analytics problems by applying machine learning.
- Experience with open-source software, Matlab, Python, or other similar languages used for machine learning and electronics projects.
- Ability to work in a team or alone, self-started with a passion for learning
- Experience collecting, storing, cleaning, and visualizing temporal-spatial data

Assets for this position include:

- Bilingualism (French and/or Spanish)
- An interest in sports, technology, health & wellness.
- Experience with 3D printing
- A fundamental understanding of biomechanics

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Necessary soft skills include but are not limited to:

- Adaptability
- Autonomy
- Communication
- Critical Thinking
- Resourcefulness
- Teamwork

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