We are looking for a full-time system integration and embedded systems for data science engineer

Who are we? We are TerraSense https://www.negevlab.com/terra , an Innovation Authority funded collaboration between Adi Negev Nahalat Eran and Ben-Gurion University of the Negev. We develop a non-invasive haptic pelvic neuroprosthesis – a belt – that will help people with stroke who lost the ability to sense their legs walk better. We are a multicultural and international team of engineers, data scientists, and physical therapists, all working together to better the lives of people who survived stroke and want to walk, move, and be independent.

Where are we? We are centered at Adi-Negev Nahalat Eran, a new rehabilitation hospital located near Ofakim, and a lot of the development activity takes place at Ben-Gurion University of the Negev and the Biomedical Robotics and the Motor Control of Walking labs.

Who are you? An excellent engineer with strong technical ability to integrate a wearable product that includes hardware, microcontrollers, and embedded AI software, and a strong personal drive to help people who suffer from neurological conditions. You will have the following formal qualifications:

- An MSc in electrical engineering, mechatronics, biomedical engineering, industrial engineering, computer science or related fields (excellent candidates with BSc will be considered if they have a substantial industrial experience).
- At least 3 years of experience in system integration and embedded systems for data science, including in Matlab, Python, and Arduino environments
- Experience in gait analysis is an advantage
- Excellent oral and written communication in English and Hebrew
- Self-motivated, independent, comfortable in face of uncertainty, and a strong team-player

The work will be performed between our offices in Adi-Negev Nahalat Eran, the laboratories at BGU, and from home. The position is full time, but part time may be considered depending on skill and personal situation. The expected start date is January 1st, and the initial contract is for 1 year. Interested candidates should send their CV, personal statement, and names of reference contacts to Prof. Ilana Nisky nisky@bgu.ac.il