ESPA

Computer Science Internship (DMLCS2208)

Apply here

Role

This is a fantastic opportunity for a keen computer science student to contribute to the positive impact on people's lives, with this industry leading host company. They use gold standard technology to deliver a data-driven, personalised, rehabilitation programme so that everyone has the opportunity to remain mobile and healthy. Mentored throughout by the Principal Engineer, you will gain experience in the augmentation and ongoing development of test suites, for a system implemented as a moderately sized web application with a supporting database and Android application. This is a great opportunity to develop within an industry that supports the UK national health system; so, if you are up for a challenge, apply today!

Tasks

- Test suites to cover units, modules and system integration.
- Support the existing development engineering team, as appropriate.
- Provide support for the creation of an automated continuous deployment framework for the web application.

Desired Skills

- Studying for a degree in Computer Science or similar
- Strong Python 3.0+ skills
- Experience with Javascript, JSON, HTTP and REST architecture
- Experience in Python virtual environments, version control systems, automated test suites, LINUX and cloud system development
- Familiarity with databases, NoSQL databases

The Host Company

This host company sets the reference standard for assessing physical movement, so that motion can join blood chemistry, blood pressure, body mass index and cholesterol levels as part of the standard health baseline. The company's products and technology service markets include clinical trials, healthcare and tech licensing. Their multi-sensor gait measurement system offers the ability to quickly and accurately measure the full kinematics of walking with results validated against the optical gait laboratory. The portable system can be administered by non-technically trained staff in a wide range of clinical and domestic settings. With the optional software module, that pairs personalised exercise suggestions to individual gait results to aid in healthcare interventions, this product provides affordable access to a sensor system which brings laboratory validated results to healthcare professionals and patients within 10 minutes.