



INTERNSHIP OFFER

EC-2025-USFQ-005

Cumbayá, Ecuador

ON-SITE

INTERNSHIP HOST

Name of Company
USFQ Universidad San Francisco de Quito

Website
www.usfq.edu.ec

Address of Company
Quito
Ecuador

Number of Employees
1000

Business or Product
University

STUDENT REQUIRED



General Discipline
Bioengineering/Biomedical Engineering;Bioinformatics;Industrial Engineering / System Engineering;Mechanical Engineering

Field of Study

Students in the medical field are also welcome

Completed Years of Study
3

Language Required
English Good (B1, B2) Or
Spanish Good (B1, B2)

Required Qualifications and Skills
Microsoft Office | MATLAB
Students should manage Office and should have some programming skills. Although not mandatory, experience with MATLAB is recommended.

Student Status Requirements
Required when nominated

Other Requirements/Information
Flexibility of schedule

INTERNSHIP OFFER

9 - 9 weeks

460 USD per Month

250 USD per Month

Latest Possible Start Date
01-Oct-2025

Within Months
May-2025 - Nov-2025

Company Closed Within
25-Jul-2025 - 11-Aug-2025

Deductions Expected
0

Payment Method
Cash

Arranged by
IAESTE

Estimated Cost of Living including Lodging
460 USD / Month

Working Environment: Office work

Working Hours / Week: 30.0

Project:

Biomechanics evaluation of athletes and gait analysis

Description:

At the Ergonomics Lab at USFQ we are currently working on different research studies related to biomechanics and gait analysis. One study has the aim to evaluate the biomechanics of athletes (soccer players, weightlifters, rock climbers among others) of different levels of athletic performance. Another study is gathering data for gait analysis of different age groups. All evaluations of these studies focus on obtaining metrics of kinematics, kinetics, muscle activation, anthropometry, and subjective perception. The systems used for these evaluations are Vicon Motion Capture, Delsys EMG, Noraxon MyoForce, among others.

Activities:

1. - The student will learn to use our motion capture system Vicon and the muscle activation (electromyography) system Delsys. Including learning to develop a biomechanical model, calibration, marker placement, processing, EMG sensor placement, EMG normalization and so on.
- 2.- The student will be helping with the participants recruitment.
- 3.- The student will be helping in the data collection, data processing and data analysis
- 4.- The student will be collaborating with other students and professors actively.

ADDITIONAL INFORMATION

As a student you will be enrolled at Universidad San Francisco de Quito , therefore your legal status in Ecuador will be as a student doing a cultural exchange program , in order to complete your studies. Despite of the fact that Ecuador allows almost every country to come as a tourist, you must to request an extension of permanence in Ecuador if you stay longer than 90 days. It is mandatory to apply a visa before coming to Ecuador for the following countries: Afganistan, Angola, Bangladesh, Republic of Cameroon, Cuba, Egypt, Eritrea, Etiopia, Gambia, Ghana, Guinera, Haiti, Ivory Coast, India, Irak, Kenia, Libia, Nepal, Nigeria, Pakistán, Philippines, Democratic Republic of the Congo, North Korea, Senegal, Siria, Somalia, Sri Lanka, Venezuela, Vietnam, Yemen.

Students must have Health Insurance. Accommodation will be arranged by IAESTE ECUADOR in the case that student will want our help. We will pick you up from the airport and take you to your Guest House.

Deadline for Nomination - 15-Mar-2025