Feni Brian

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Profile

A 4.05 CGPA recent biomedical engineering graduate with an honours degree. Strong background in machine and medical system design, biomedical Microsystems, and electronics. Recently admitted to the class of student members at the Uganda Institute of Professional Engineers. I am an innovative, talented, and proactive individual seeking a role as a biomedical engineer at a reputable institution

Experience

DESIGN ENGINEER, OMAR LALANI (UPWORK CLIENT); ONLINE – JUNE - OCTOBER 2022

As a biomedical engineer, I worked on two projects – occipital bone implant, and an oral bone implant project. I studied, calculated and documented the screw pull-out strength of the cranial implant. In addition, I also determined as well as detailed the optimum torque required to drive an oral bone screw implant.

BIOMEDICAL ENGINEERING INTERN, INTERNATIONAL HOSPITAL KAMPALA; – MAY - AUGUST 2019

Supported the biomedical department in various activities. Administered training of nurses for newly purchased and commissioned equipment. Underwent up-skill programs carried out by field engineers for CT scan equipment. Executed routine and scheduled maintenance of ICU and dental equipment. Assisted during certain surgical operations within theatre.

Education

INSTITUTION		QUALIFICATION AWARDED
Kyambogo University	–	B.Eng in Mechatronics & Biomedical Engineering (Honours), 2022
Seeta High School	–	Uganda Advanced Certificate of Education, 2017
Seeta High School	–	Uganda Certificate of Education, 2014
St. Noah Primary School	–	Primary Leaving Education, 2010

University projects

Final Year Project : Hallux Valgus Orthosis

A 3D-printed orthosis designed to help reduce the hallux valgus angle, alleviate pain associated with the forefoot, as well as improve the quality of life of intended patient.

3Rd Year Project : Mecplus Mobile Application

A mobile application software designed to be used by biomedical engineers to effectively manage as well as schedule maintenance of medical equipment under their care.

Skills

Proficiency with Microsoft Excel and Word software packages.
CAD modelling using Autodesk Fusion 360.
Data analysis using Python.
HTML/CSS.
Javascript.
Swift.
Effective time management.
Balanced decision making.
Conceptual thinking.
Objective listening.
Attention to detail.
Problem solving.
Creativity.

Languages

English
French (Upper intermediate: B2)
Lubgara-ti
Luganda