

Alazar LEMEDO

Pursuing PhD research in structural engineering

PERSONAL DETAILS

Birth May 28, 1993
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Officialwebsite <https://lazarusws.github.io/structuraleng/>

EDUCATION

MSc Structural Engineering

2018-Present

The University of Manchester

BSc Civil Engineering

2012-2017

Addis Ababa University

Grade 3.43/4.00.

WORK EXPERIENCE

Manchester Calling Campaign

Feb'19-Present

The University of Manchester - Manchester, UK

Supervision : Under Holly and Chris

About : The Manchester Calling Campaign (MCC) is a telephone campaign which aims to provide a phone call from a current international student to all international offer-holders.

Assistant site supervisor

Dec'17-Aug'18

Geretta Consultant - Addis Ababa, Ethiopia

Supervision : Under Eng. Daneil Taye

About : To do quality control and quantity surveyor on 2 Basement + Ground+ 19 storey hotel and apartment building project.

Internship

Mar'16-Jun'16

In partial fulfillment of the requirements for the degree of Bachelor of Science

Supervision : Under Ins. Meron

About : Site supervision on Substructure(Shallow foundation, retaining wall and shear wall construction for Basement + Ground+ 7 storey Hospital building project.

PROJECTS

MSc Thesis

Oct'18-Sept'19

Web-based calculator for structural engineering problems

Supervision : Under Dr. David Apsley,

We are developing a website tool which can execute a reinforced concrete beam design.

BSc Thesis

Feb'17-Jun'17

Production of light weight non-structural concrete using disposed industrial yeast as a foaming agent

Supervision : Under Ins. Samson Walelign

In this project we had designed a foamed light weight concrete using light weight aggregates (Pumice) and Yeast Slurry coming out of breweries as a foaming agent.

Integrated Civil Engineering Design

Sept'17-Jan'17

Arc Dam design using Excel macros with Visual Basic programming language

Supervision : Under Ins. Mastewal T.

We have written a visual basic based program to develop an application tool using Excel Macros to design an Arc dam.

CERTIFICATIONS

Scholarship

Jun'18

The OPEC Fund for International Development (OFID) 2018 scholarship award winner

Certificate of Achievement

Mar'18

1st place in the "Best Construction Material Thesis" Category

Ethiopian Civil Engineering Student's Association, the Engineers of Tomorrow event

Certificate of Excellence

Jul'17

KAIST-AAiT ICT Training course on advanced excel

Korea Advanced Institute of Science and Technology

SKILLS

*Programming
Languages*

HTML, JAVA

Software

MATLAB, ABAQUS, MIDAS, AUTOCAD, SAFE

Subjects

FINITE ELEMENTS COURSE

INDUSTRY ACCREDITED THROUGH THE NAFEMS COURSE

APPROVAL SCHEME

PUBLICATION

1.. Web-based calculator for structural engineering problems. Published on personal website <https://lazarusws.github.io/structuraleng/>

2. Production of light weight non-structural concrete using disposed industrial yeast as a foaming agent. (ongoing publication)