

# Alazar LEMEDO

*Pursuing PhD Research*

## PERSONAL DETAILS

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

## EDUCATION

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### MSc Structural Engineering

2018-Present

*The University of Manchester*

### BSc Civil Engineering

2012-2017

*Addis Ababa University*

Grade 3.43/4.00.

## WORK EXPERIENCE

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### 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

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### 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

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### 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

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*Programming  
Languages*

HTML, JAVA

*Software*

MATLAB, ABAQUS, MIDAS, AUTOCAD, SAFE

*Subjects*

FINITE ELEMENTS COURSE

INDUSTRY ACCREDITED THROUGH THE NAFEMS COURSE

APPROVAL SCHEME

## PUBLICATION

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

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