

# Olobo Elijah Omachi (EIT)

Apt 104, 1 Springhurst ave, Toronto ON M6K 1A8.

Phone (647) 679-2141

[Omachielijah@ymail.com](mailto:Omachielijah@ymail.com)

[www.linkedin.com/in/elijah-omachi231](http://www.linkedin.com/in/elijah-omachi231)

---

## Highlights of Qualification

- Adept Analytical skills in Mathematics as well as in Advanced Mathematics (Calculus) and Physics.
- Experienced in the use of Software such as PVsyst, SAM, Microsoft office, RETScreen, Engineering equation Solver, Reprof, and Minitab.
- Good working knowledge of Matlab, AutoCAD (2D and 3D modelling), Solidworks, and Blender.
- Able to work effectively in a team environment as well as independently.
- Experienced in energy modelling and energy conservation measures application in buildings and constructions.
- Ability to read detailed engineering blueprints and layouts.
- Able to work efficiently in a fast-paced environment.
- Dedicated, motivated learner with excellent critical thinking and problem solving skills.
- Exceptional skills in time management, organization, as well as cost effective resource management in project coordination.
- Able to adapt and multi-task while handling stressful situations.
- Fluent in English, intermediate Turkish language speaker.

## Professional Experience

---

### Contact point 360 (Enercare), ON

Sept 2018- Date

#### Role: **OBA dispute resolution specialist**

- Investigating dispute submitted by customers for heating, cooling and maintenance plan for home HVAC systems.
- Resolution of cases with regards to complaint filed due to either incorrect billing or any other charge on energy and protection plan.

### **PV/T and Geothermal Integrated Multigenerational System**

Nov 2017-Dec 2017

#### Role: **Project Lead (UOIT research project)**

- Utilized EES for constructing equation models for the proposed system.
- Made use of Reprof software for the brine mixture being used in the simulation of the absorption chiller refrigeration system in the proposed system.
- Calculated cooling and heating load for simulated houses using air change method and simplified radiant time series technique.
- Obtained numerical values both from engineering articles as well as from Retscreen and PVsyst software.

For more information on the project follow [LINK](#).

### **Geothermal-Wood boiler integrated HVAC for a Rural home**

Jan 2017-May 2017

#### Role: **Co-project Modeller (UOIT research project)**

- Utilized ASHRAE standard 62 and 55 in modelling indoor and outdoor conditions.

- Applied advanced thermodynamics techniques in calculating transient problem regarding charging rate of geothermal storage system.
- Utilized lucid chart software for the modelling of ground borehole pipes.
- Performed calculation of humidification system during winter period as well as dehumidification during summer period.

For more information on the project follow [LINK](#).

## **GENERAL AND HEALTH LOGISTICS INT. LTD**

Jan 2016- July 2016

Role: **Data Analyst**

- Worked as the data analyst in the supply chain distribution department.
- Analyzing and intense scrutinizing of data entries obtained from delivery drivers.
- Monitoring and preventing errors on cost catalog.

## **Cabacaba Renewable Energy Company (Cyprus)**

July 2013- Sep 2013

Role: **Intern Renewable Energy Technician**

- Aided in the installation of on and off-grid PV systems as well as small scale hybrid systems for residential houses, and PV powered irrigation systems for farms
- Utilized PVsyst software in solving installation issues with houses not built on normal terrain.
- Perform detailed energy audit on client houses before relaying the energy conservative measures (ECM) to them.

## **Non-Professional Experience**

**Eventsavis.ng (Nigeria)**

Feb 2018- Date

Role: **Website Coordinator/Administrator**

- Creating and editing of vendor service profile listing page
- Maintaining and recording vendor service acquisition count.

## **Certificate**

**Engineer in training (EIT)**

March 2019- March 2020

Professional Engineers of Ontario.

ID#100536088

## **Academic Background**

**Master of Engineering in Mechanical Engineering (M.Eng)**

Jan 2017- June 2018

University of Ontario institute of Technology, Canada

- CGPA of 3.50/4.3

**Bachelor of Science in Energy systems Engineering (B.Sc.)**

Oct 2010-July 2014

Cyprus international University, TRNC (Cyprus)

- CGPA of 3.08/4.0

**Completed online Course Energy 101 through EDX**

Dec 2013

- Offered by UTAustinX, an online initiative of the University of Texas system.

**Recipient of student High Honor Award – 2012, 2014 (Cyprus international University)**

**Reference available upon Request.**