




Elda Yitbarek Bezuayene

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 Prosser, Washington, US
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Sex: Female

Date of birth: 30 September 1997

Nationality: Ethiopian

EDUCATION

2015 - 2020 Technion Institute of Technology, Israel

Bachelor of Science in Civil and Environmental Engineering
(GPA 83.7% = 3.8 in a 4.0 scale)

- Environmental Engineering
- Fluid Mechanics & Hydraulics
- Hydrology & Water Resource Engineering
- Water and wastewater treatment
- Mapping & Surveying
- Mechanics of Structures & Structural Analysis
- Soil Mechanics
- Materials Engineering
- Concrete Design
- Traffic & Transportation Engineering
- Construction Methods & Construction Management

Scholarship: TDA scholarship

Sep. 2022 - now Center for Precision and Automated Agricultural Systems, IAREC,
Washington State University, WA, USA

Master's in Biosystems Engineering

(GPA = 3.89)

- Geographic Information Systems
- Machine Vision
- Statistics
- R
- Instrumentation and Measurement
- Environmental Biophysics
- UAS in agriculture

Appointment: Research Assistant

Awards

- **Honors:** >90 average in 2017 spring semester -- **Dean's List**
- **Honors:** Ethiopian University Entrance Examination -- **623/700 (top <1%)**

COMPETENCIES

Software: QGIS, Google Earth Engine, Revit, Vico, MS project, HEC-RAS, PIX4D

Programming: R

Languages:

- English – Fluent
- Amharic – Fluent
- Tigrigna – Fluent
- Standard (Fusiha) Arabic – Advanced
- Hebrew – Intermediate

EXTRACURRICULAR ACTIVITIES and VOLUNTEER WORK

- **Voluntary teaching:** Summer 2016 in Atse Yohannes High School, Mekelle, Tigray
- **Engineers without Borders-Israel, Technion:** with a team of engineering students came up with a way to heat a kindergarten class located in the Negev desert (Israel) without electricity.
- **Fire Brigade of Mekelle, Tigray (Sep 2020 – Nov 2020):** voluntary writing of a project proposal for the fire brigade of Mekelle
- **CultivAID (an Israeli company with agricultural projects in Mekelle) (April 2021-June 2021):** Voluntary involvement in different aspects of the project
- **June 2021- December 2021:** Volunteering in hospitals and preparing for graduate studies abroad
- **January 2023 – August 2023:** Academic coordinator of Prosser Graduate Senator Association club in Washington State University

ONLINE CLASSES

Texas A&M Agrilife Extension Service

- Center Pivots: Selection, Operation and Maintenance
- Solar Pumping for Irrigation & Wind Pumping for Irrigation

edX

- Solar Energy - TU Delft Online Learning