

Elshadai Tegegn

Software Engineer

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[Email](#) | [LinkedIn](#) | [Github](#)

EDUCATION

BSC in Software Engineering

Addis Ababa University | [AAiT](#)

Sept 2018 - July 2023

Major GPA – 3.7/4.0

- Operating Systems
- Computer Architecture
- Robotics
- Full-stack software development
- Mobile Application development
- Software project management
- Object Oriented Programming
- Data Structures and Algorithms
- IT security
- Distributed: System Programming & Object Database

Cornell, Maryland, Max Planck Pre-doctoral School'22

[CMMRS](#) | [Certificate](#)

1st, August 2022 - 7th August 2022

Global UGRAD scholarship program

[Tennessee Tech Uni.](#) | [Transcript](#)

January 2022 - May 2022

Top 2% Scholarship receiver for a 1-semester exchange program in the US

Dean's list: ML | Algorithms | Criminology | American Government

Competitive Programming

[A2SV](#)

Aug 2021 - Present

A2SV helps high-potential African students improve their skills, connect with top Silicon Valley companies, and make digital solutions to urgent problems in their home countries. The first group of A2SV students achieved a 70% success rate at Google internship interviews for summer 2022.

Consultation & Leadership

[ShARE Program](#) | [Certificate](#)

March 2020 - Jan 2022

- President of ShARE AAU/AAiT 2022 Program
- Consulted on the go-to-market strategy at [Axiom Financials](#)
- Did extensive research on the future of mobility after Covid-19 at [Valeo](#)

Backend Engineering

[Gebeya Inc](#) | [Certificate](#)

Dec 2019 - June 2020

Tech Stack

Dart: Flutter | **C++** | **JavaScript:** NodeJS, ReactJS, ExpressJS | **C#:** .NetCore |
Python: Django, Flask | **Mobile app dev:** Java, Kotlin | **Machine Learning & Deep Learning** | **Front-end:** HTML, CSS, Bootstrap | **Database management:** Oracle, PostgreSQL, MySQL, MongoDB | **AWS Cloud** | **Docker**

AWARDS

Huawei ICT innovation 2021,
2nd place from Ethiopia: [Link](#)

Hult Prize Regional, 2nd place
winner

Ethiopian Collegiate
Programming Competition, top
15% from East Africa and Arab:
[Link](#)

Transfer Multisort Elektronik:
Internet of Things: [Link](#)

Ethio-Hacks, hackathon 1st
place: [Link](#)

Top 0.01% Award from the
National exam of Ethiopia, 2018

LANGUAGES

Amharic – Native

English – Fluent

French – Intermediate

German(Deutsch) –
Beginner

Hobbies

Playing Basketball

Hiking

Writing – I blog on my
[substack](#) page

EXPERIENCE

Machine Learning Research Intern

[Instadeep Ltd](#) | Remote

January 2023 - Present

- Contributing to writing single file Jax-based RL algorithms in [Mava](#)
- Creating robust RL environments in [Jumanji](#)

Software Engineering Intern

[Amazon](#) | Germany

Oct 2022 - December 2022

- Worked on an end-to-end service to annotate images and browse image labels
- Implemented a frontend SPA using AWS' internal UI framework and a backend using AWS Lambda.
- Created the AWS CDK typescript code to deploy both the frontend and backend and provisioning additional AWS resources like connection to OpenSearch

Software Development Engineering Intern

[Audible Inc](#) | US

June 2022 - August 2022

- Worked on payment-related, sensitive feature that had correlation with other projects
- Implemented a full-stack development of a feature that increased user sign-up by 16k/year

Summer Geometry Initiative - Research Intern

[MIT](#) | [Certificate](#) | US

July 2022 - August 2022

- Plane and Edge Detection using RANSAC: [Link](#)
- Revisiting Computational Caustics: [Link](#), [Link](#), [Link](#)
- Out-of-Context Data Augmentation for 3D Scenes

Back-end Engineer

[Eskalate](#) | US

Aug 2021 - May 2022

- Contributed to 11% of the backend development of [HakimHub](#)
- Took the initiative to lead the backend team for a week when no team lead was available

Automation Tester & Digitization Engineer

[QualityTaskForce](#) | Poland

Aug 2021 - March 2022

- Automation testing using Selenium, Python for [Plume](#) Mobile application
- Digitizing the company's processes thus increasing the process flow speed by 21%

COO, Co-founder, Full-stack Engineer

[Knovuslab](#) | Ethiopia

March 2020 - PRESENT

- Developed ride-hailing platform mobile app - [Motorride](#)
- Contributed to the biggest Ethiopian Tech news platform - [Shega](#)
- Designed the system architecture, developed and led the backend development team for a self-owned audio streaming platform - [NileStream](#)

Extra-curricular activities

Gebeya Inc

Vetting Expert

(Vetted 150+ candidates in the process of joining Gebeya marketplace)

Huawei

Campus Ambassador

(Increased student engagement from 3.4% to 75.6% in a year)

ITSC inspire

GDG Addis

Women TechMakers Addis
Event Organizer

Project Chalk-the-talk

Project Coordinator

Addis Ababa University,
Basketball team

Basketball player

BigDream Ethiopia

Content creator

ICog Labs Ethiopia

Operational Support Intern

Girls Can Code

Volunteer Coding Instructor