

# CHRISTINA HAILU

Software Engineer, Research Assistant, Full-Stack Developer

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in LinkedIn    🐙 GitHub    📁 Portfolio

## Objective

Ethiopian Software Engineering candidate, seeking opportunities to apply skills and passion for problem-solving in a dynamic software development environment.

## Education

### Addis Ababa Institute of Technology

Sep. 2019 – Present

*Bachelor of Science Degree in Software Engineering*

*Addis Ababa, Ethiopia*

- Addis Ababa University is ranked 1st in Ethiopia and 1197th in the global 2023 rating.
- CGPA: 3.66/4

### Africa To Silicon Valley

Nov. 2022 – Present

*Data Structures and Algorithm Coding Academy*

*Addis Ababa, Ethiopia*

- Non-profit Organization dedicated to equipping African students with advanced skills, linking them to Silicon Valley, and propelling tech-driven transformation across Africa.

### School of Tomorrow

Sep. 2015 – 2019

*High School Diploma*

*Addis Ababa, Ethiopia*

## Relevant Coursework

- Fundamentals of Data Structures and Algorithm Analysis
- Machine Learning & Big Data
- Mobile Application Development
- Fundamental of Database
- Computer Graphics
- Computer Organizations and Architecture
- Fundamentals of Cybersecurity
- Software Project Management
- Operating System and System Programming
- Fundamental of Electrical Circuits and Electronics





## Experience

### African Undergraduate Research Adventure (AURA)

May 2023 – Present

*Research Assistant Internship*

*Michigan, USA*

- Created AI-Driven closed-loop communication annotation platform for medical practice
- Developed Paper writing and Formative study experience
- Acquired knowledge in prompt engineering, deep learning, machine learning, and artificial intelligence.
- Gained exposure to hardware & human-computer interaction while working at the Interactive Sensing & Computing Lab
- Certificate  Slide  Poster  Video Presentation 

### Multimodal Team Emergency Assessment Measures (mTEAM)

Aug. 2023 – Present

*Web Developer and Data Processor*

*Michigan, USA*


- Developing an interactive dashboard to visualize Cognitive Task Analysis.

### E-Health & Artificial Intelligence Symposium (e-HAIL)

Sep. 2023

*Presenter of poster sessions*

*Michigan, USA*

- Participated in the Explainable AI discussion group.
- Poster 

### USENIX ATC'23 OSDI'23 Conference

Jul. 10 - Jul. 12, 2023

*Attendee*

*Boston, USA*

- Participated in the 2023 USENIX Annual Technical Conference in Massachusetts.
- Received a grant as a sponsor for Black Computer Science Students.

## Creative Hub Ethiopia

UI/UX Designer & Web Developer Intern

- Contributed to the design and development of Dimir Structure's website.

2022

Addis Ababa, Ethiopia

## Commercial Graduates Association(CGA)

Back-end Developer

- Contributed to CGA's Back-end development

2022

Addis Ababa, Ethiopia

## 8th Global Huawei ICT Competition

Participant

- Engaging in diverse ICT challenges and gaining insights into AI, cloud computing, and Big data

Ongoing

Addis Ababa, Ethiopia

## HULT Prize

Participant

- Collaborating within a team to address global social challenges and develop innovative solutions

Ongoing

Addis Ababa, Ethiopia

## Eshi Digital

Full Stack Developer Intern

2022

Addis Ababa, Ethiopia

## Projects

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### AI-Enhanced Closed Loop Communication Annotation Tool

ReactJS, Prisma, TypeScript, Python, TablePlus, PostgreSQL

May 2023 – Present

- Implemented effective annotation platform to identify closed loop communication occurrences within simulations.

### DOZER: Heavy-Duty Machinery Rental App

Flutter, ReactJS, .Net Core

Oct. 2023 – Present

- Developing Construction Equipment Rental App to streamline rental processes and enhance accessibility.
- Group Leader and Project Manager

### Student Marks Prediction Model

Python, Scikit-learn, NumPy, Pandas, Jupyter Notebook

Feb. 2023

- Successfully developed a functional Machine Learning model capable of predicting student marks based on study hours.

### Transposition Cipher

Python

Dec. 2022

- Developed an encrypt and decrypt Transposition Cipher implementation from scratch using Python for secure communication.

### Matching Game

Javascript, ReactJs

Sep. 2023

- Developed an interactive game to aid lecturers in taking attendance while fostering student familiarity.

### EthioRentals

Dart, Flutter

Jul. 2022

- Designed and developed a user-friendly interface for a platform catering to car and house rentals.

### Dormitory Room Service

Spring Boot, Thymleaf, HTML, Mysql

Jan. 2022

- Developed a platform aimed at simplifying student life during university attendance.

### Beer Pong Game

OpenGL, Pygame

Jun. 2022

## Trainings

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### ALX Africa

Feb. 2022 – Mar. 2023

- Full Stack Software Engineering | Back-end
- [Transcript](#)

### Orange Digital Center

Mar. 2021

- Modern Development Tools(Git, Github, Figma, Zeplin)
- [Certificate](#)

### Eshi Digital Bootcamp

Jun. 2022

- JavaScript, Front-end and Back-end Development, Code Structure and Project Development Style

## Technical Skills

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**Dart:** Flutter | C/C++ | **JavaScript:** NodeJS, ReactJS, ExpressJS | **C#:** .NET Core | **Python** | **HTML/CSS** | **TypeScript** | **Database Management:** MySQL, PostgreSQL, MongoDB, TablePlus | **Figma** | **Jira** | **VsCode**, **PyCharm** | **NumPy**, **Scikit-learn**, **Pandas**

## Extracurricular

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### Online Math Tutor

2020

*Content Creator*

*Online Platforms*

- Produced educational content focusing on teaching math concepts on YouTube and TikTok.
- [YouTube Channel](#) [TikTok Profile](#)

### ALERT Hospital

Jul. 2018 – Aug. 2018

*Volunteer*

*Addis Ababa, Ethiopia*

- Recognized for dedicated contributions and support in the hospital.
- [Certificate](#)

### National Natural Science Competition

Mar. 2018

*Representative, School of Tomorrow*

*Addis Ababa, Ethiopia*

- Achieved 3rd position among all participating schools in the national natural science question and answer computing event.
- [Certificate](#)

### Summer Intensive English Language Course

Jul. 2017 – Sep. 2017

*Bridge School of English*

*Addis Ababa, Ethiopia*

- Successfully completed a rigorous two-month English language program, enhancing proficiency and communication skills.
- [Certificate](#)

### Remote Business Training

Jul. 2020

*DOT Ethiopia*

*Addis Ababa, Ethiopia*

- Engaged in a comprehensive remote business training program, acquiring valuable insights into business practices.

## Languages

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**Amharic:** Native

**English:** Highly Proficient

## Competitive Programming

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**LeetCode** [Solved over 350 coding challenges on LeetCode.](#)

**CodeForces** [Solved over 80 coding challenges on CodeForces.](#)

**HackerRank** [Solved over 100 coding challenges on HackerRank.](#)

## Hobbies

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**Piano** | **Drawings** | **Learning and Trying New Skills**