

Maereg Habtezgi

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Education

Colorado State University

Expected Graduation: Dec 2025

Bachelor of Science in Computer Science (GPA: 3.71 / 4.00)

Fort Collins, Colorado

- **Relevant Coursework:** Data Structures and Algorithms (Java), Software Engineering (Java), Computer Systems Foundations (Java), Prob & Stat in CS (R studio), Linear Algebra w/Computational Applications (matlab), 300 Level micro & macro Economics (304&306)

Experience

Research Assistant Internship

May 2023 – Sep 2023

Colorado State University

Fort Collins, Colorado

- Applied data analysis and organization methodologies with another intern to process audio datasets using **Excel** and **Python** in order to assess the word error rate and hallucinations of large scale, weakly-supervised speech recognition models through the pre-segmentation of the audio data set at hand with VAD CUT.
- Contributed to information relay and progress tracking on a cross-functional team.

Troop Social, the party app (Front End Developer and COO)

May 2024 – Present

Colorado State University

Fort Collins, Colorado

- Worked at a start up with another employee to design and engineer the 'about us' page of the landing page and engineered the image link of the 'brand ambassadors' page to ensure potential brand ambassadors were re-routed to our email via the hyperlink. Directed all marketing strategies and managed all negotiations to increase users by 170 percent and build partnerships with local bars and event hosts.

iHub incubator

March 2021 – Apr 2021

Electrical Engineering Interns

Nairobi, Kenya

- Led an innovation & design team in the development a solar powered stove for rural communities in Kenya with the mission to improve sanitation and access to re-usable sources of energy for cooking.
- Designed the circuitry system and led component selection for the solar powered stove.

Projects & Activities

Credit Card Customer Segmentation | Python, Pandas, Numpy, Seaborn, Matplotlib, Sklearn

- Built a program that Analyzes credit card loan and payment data and visualizes this for credit card companies and loaners to use.
- Designed a visualisation that groups customers based user behavior into 18 variable groups which marketers and advertisers could use to have a target group.

Song Rating and Ranking Program | Java, JUnit testing, Git version control, file handling

- Designed and Developed program that ranks and rates songs using Java. Implemented Agile project planning, JUnit testing, documentation, debugging code, test driven development and Git version control.

National Society of Black Engineers (NSBE) | Fundraising Chair

- Oversee and Manage all fundraising activities and events to ensure sufficient funds are collected to take chapter members to national conferences and fund NSBE events.

College of Natural Science Dean's List | Fall Semester 2022 & Spring Semester 2023

- • Achieve a GPA of 3.75+ with 12 credits or more completed each semester.

Technical Skills

Languages: Java, Python, C++, JavaScript, R, Matlab

Technologies: Reactjs, Django, Flask, PyTorch, Node.js

Concepts: JUnit Testing, Test Driven Development, Agile planning, Version Control, Compiler, Operating System, Cache Memory, Machine Learning, Database Normalization