

Fraol Batole

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510 Tulane Drive

Grand forks, ND 58203

EDUCATION

Doctor of Philosophy in Computer Science

Dec 2023

University of North Dakota (UND), Grand Forks, ND

Bachelor of Science in Software Engineering

June 2018

Addis Ababa Science and Technology University, Addis Ababa, Ethiopia

GPA: 3.75/4.0

- Founder of Innovation & ICT club in Addis Ababa Science and Technology University

SKILLS

Programming, Scripting Languages: Java, Python, PHP, C++, Flutter, JavaScript, CSS, HTML

Frameworks, OS: Spring boot, Django, Symphony, GitHub, Linux, Windows

Database Technology: MySQL, SQLite, MSSQL

EXPERIENCE

Teaching Assistant

Jan 2020 to Present

Computer Science Department, University of North Dakota, Grand Forks, ND

- Working to make programming easier for students by drafting helpful assignments with professors, and grading students' works as well
- Developed new plan for assignments based on students score, series of python programs that depend on one another, and resulted in 15% score improvement

Software Engineer

Aug 2019 to Nov 2019

Med-Innovation, Addis Ababa, Ethiopia

- Designed and Implemented CRM web application, using Spring boot and Vaadin, which is used for the marketing department and aimed to boost the company's revenue by 20%

Software Engineer Intern

June 2017 to Aug 2017

Kifiya Financial Technology, Addis Ababa, Ethiopia

- Contributed in the development of NFC based Mass Transit project by collaborating with talented teams which helped me improve my skills on CSS, JavaScript, HTML and Spring Boot

LEADERSHIP SKILLS

Co-Founder

Jan 2019 to Aug 2019

SmartMasa, Addis Ababa, Ethiopia

- Managed to pitch our idea and secured incubation by one of the largest incubation center, BlueMoon
- Achieved a leadership, business and technological skill while working on a web and mobile based precision farming project which aims to change lives of smallholder farmers

NOTABLE PROJECTS

Smart farming using Drone and sensors

Aug 2018 to Feb 2019

Addis Ababa, Ethiopia

- Developed a system that can collect data from smallholders (Farmers with low income) farm using Arduino, Java, Python and multiple sensors to analyze and decide what kind, and how much input to use

Asset management using Biometrics

Mar 2016 to April 2016

Addis Ababa, Ethiopia

- Solved one of the biggest problem, asset theft, in Addis Ababa Science and Technology University by building asset management software that uses face and fingerprint to authenticate students' asset