

RAFEL TSIGE

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EDUCATION

University of Texas at Arlington,
Bachelors of Computer Science

Arlington, TX
December 2022

TECHNICAL SKILLS

Programming Languages:	C,C++,JAVA,XML,SQL,PYTHON
Frameworks and Software:	Android Studios, Firebase, MySQL, HTML5/CSS/Javascript, Git
Operating Systems:	Windows, Linux, MacOS
development Technologies:	Agile, Waterfall

PROJECTS

Office Hour Simulator

- Multi-threading project that simulates a professor's office hours.
- Lets all be unique together until we realise we are all the same.

Health App

- Android application that helps users keep track of their hear rates, ecg, pulse rate and etc.
- Implemented on android studio using Java, XML, and Firebase.

File System

- A user space portable indexed file system similar to the UNIX file systems(ufs).
- Allows file manipulation and directory mobility like ufs as well as executing common commands.

Heap Management

- A program that manipulates memory using the 4 memory management schemes along with custom memory function implementations
- Implements a library that interacts with the operating system to perform heap management on behalf of a user process.

WORK EXPERIENCE

Techno Motors

Software Engineering Intern

June 2021 - August 2021

Addis Ababa, Ethiopia

- Helped in the development and maintenance of the company's inventory management system.
- Used Java to implement logic and changes into the software's back-end.

VOLUNTEER EXPERIENCE

Yeka Terara Elementary School

Volunteer/Teacher

June 2020 - August 2020

Addis Ababa, Ethiopia

- Created study plans and guides to help students develop a basic understanding of English including reading, writing, listening, and speaking as well as basic Math including addition, subtraction, multiplication, and division.
- Worked with other volunteers and teachers to organize and distribute donations for around 200 children
- Taught children basic Math and English - Assisted in book drives, clothing drives and other donation events for the school