MURAGE KIBICHO

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EDUCATION

Yale University, New Haven, CT | expected December 2024
Major: Statistics and Near Eastern Languages
Languages: Hebrew(3 years of study), Chinese(2 years of study)
Fellowships: Yale Effective Altruism Fall Fellowship; Science, Technology and Research Program 1(STARS)
Programming Languages: Proficient in C, Javascript and Python.

Moi Forces Academy, Nairobi, KE | completed November 2017
High School Certificate: ranked 20th nationally out of 600,000 students by the Ministry of Education.
Extracurricular: Served as the Chairperson of the Math Club; Led the Rugby Team as the Discipline Captain, ensuring punctuality during training sessions.

EXPERIENCE

CTO, FileForma, New Haven | Aug 2023 -
Designed custom data compressors in the C programming language.
Taught 128 engineers to use FFmpeg in C - not the command line.
Helped 18 saas CTOs package their software as VS Code Extensions in JavaScript.
Shipped to production 3 websites built with React, MongoDB and Hero
Made 1000$ in revenue running a self-funded startup.

Student Assistant, Beinecke Rare Book & Manuscript Library, New Haven | June 2021 - July 2023
Led the student digitization team at Yale's Rare Book Library
Photographed and created PDFs for over 3000 fragile collections
Ultimate decision maker on the use of TIFF, JPEG and PNG file formats for digitization

Founding Programmer, Cosines for Everyone, New Haven | Jan 2021 - June 2021
Built a backend using NodeJS and MongoDB and published a mobile application to the Google Play Store
Integrated a React landing page with a Flutter Web admin page
Raised 3000 dollars for a pre-seed round

Research Assistant, Yale University School of Medicine, New Haven | Aug 2020–Aug 2021
Developed a mobile application using Flutter.
Migrated existing IOS mobile apps from Objective C to Flutter web, desktop and mobile environments.
Built Amazon EC2 instances running Ubuntu for Tensorflow development

Research Assistant, Yale Biomedical Engineering, New Haven | Feb 2020- Aug 2020
Developed a graphical user interface for the laboratory in C using the GTK+ framework.
Helped set up GitHub repositories and led a short course on using Git for collaboration.

Summer Intern, Jubilee Political Party, Nairobi | January 2019- June 2019
Maintained and upgraded the party's Android applications using Nexus, Android Studio, Adobe XD and Java.
Served as assistant to the Chief Accountant and handled large cash transactions up to 2 million shillings.
Edited party documents for publication, collaborating closely with team directors.

OPENSOURCE

Maintainer | 2023-present | Create-new-startup
Built an open-source React framework for server side rendering and published on the NPM website.
Contributor | 2022-present | MongoDB
Researched and proposed database compression algorithms for MongoDB.