

# FREDRICK KARURI

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## TECHNICAL SKILLS

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- Proficient in programming languages such as Python, Java and Javascript
- Experience with software engineering concepts including data structures and algorithms
- Knowledge of front-end development technologies such as HTML, CSS, Vue and React
- Familiarity with version control systems like Git

## EDUCATION

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### DAYSTAR UNIVERSITY

Bachelor in Applied Computer Science

Major in Computer Science;

Relevant Coursework: Software Engineering; Operating Systems; Algorithms; Artificial Intelligence; System Design; Human Computer Interaction

Athi River, Machakos

Aug 2019 - Nov 2023

## CERTIFICATIONS & TRAINING

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- Google UX Design Specialization (Coursera)
- IBM & Darden Digital Strategy Specialization (Coursera)
- Data Analysis (Udacity)
- Google Cloud Certification (Google Developers)

## WORK EXPERIENCE

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### SHOP OKOA (15 employee startup)

User Experience Designer

Nairobi, Kenya

Feb 2023 – Present

- Collaborated with developers to implement UI components and user flows
- Conducted user research and usability testing to inform design decisions
- Created wireframes and prototypes using Figma.
- Contributed to creating a more intuitive and user-centered design, ultimately improving the user experience and satisfaction with the product

### FORAGE

Walmart USA Software Engineering Virtual Experience Program

Online

Feb 2023

- Developed software solutions using Java, data structures, optimization techniques, UML modelling, and SQL database management
- Achieved 20% reduction in production time and 15% improvement in system performance
- Created use cases and UML diagrams (activity, sequence, class) to facilitate communication between teams, stakeholders, and end-users

### STUDENT INTERN

Computer Lab Assistant

Athi River, Machakos

Jan 2020– Feb 2023

- Exhibited exceptional technical skills in computer hardware and software maintenance, ensuring optimal functionality of computer labs.
- Managed and maintained hardware and software resources, effectively troubleshooting and resolving technical issues.
- Decreased lab downtime by 25% and improved overall student satisfaction by 15% through effective management and maintenance of hardware and software resources.

## UNIVERSITY PROJECTS

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### USER DESIGN

Dec 2022-Feb 2023

- Created The Keeper, a movie preview experience app that provides users with detailed information about movies, showtimes, reviews, and theaters to enhance the movie-going experience.
- Collaborated with a team to design and develop FarmB, an app and responsive site that provides resources, information, support networks, and advocacy for farmers facing social injustice.

### TECHNICAL PROJECTS

- Conceptualized, designed, and developed a sophisticated blog site, utilizing Python, Django, and HTML to deliver a unique platform that caters to artists and readers alike. .
- Coursework Project: Collaborated with a team to develop a 2D Paint Program using C++ and OpenGL as part of a coursework project. The program's functionality was thoroughly tested and verified on both Windows and Linux platforms, and it shares features with MS Paint.
- Personal Project: Built a commerce website using React and Commerce.js, allowing users to browse and purchase products online. Implemented features such as a shopping cart, checkout process, and payment gateway integration.

### ACHIEVEMENTS

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#### PRODUCT DESIGN RUNNER UP

- Secured second place in the 2023 Actuarial Society of Kenya Product Design Competition, as part of a team that created an automated financial reporting and calculation product in accordance with IFRS17.
- Leveraged expertise in software engineering and user experience design to contribute to the success of the project.

### ACTIVITIES

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#### DAYSTAR CHRISTIAN FELLOWSHIP

Athi River , Machakos

Treasurer

Apr 2020 – Present

- Provided financial oversight and management for a successful electoral process, as Treasurer for the Electoral Commission of Daystar Christian Fellowship, ensuring accuracy, transparency, and adherence to established financial policies and procedures.
- As Treasurer for two years in the Service Team subcommittee of the Daystar Christian Fellowship, effectively managed the budget, which resulted in increased financial stability for the organization and enabled us to fund more service projects throughout the community.

### VOLUNTEER EXPERIENCE

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#### CHILDREN'S HOME VISIT

Athi River, Machakos

Volunteer

Feb 2023

- Participated in the planning and execution of a successful children's home visit.
- Served as the treasurer for the planning committee of the event.
- Worked with the team to ensure the event was organized and executed smoothly.

### ADDITIONAL

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**Soft Skills:** Oral Communication, Taking Direction Well, Leadership

**Languages:** Fluent in English

**Softwares:** Proficient in Figma, Adobe XD, Docker, Illustrator