

Jean Yves Gatwaza Kubwimana

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Education

Harvard University

Cambridge, MA

Concentration in Computer Science (Honors) with secondary in Economics

Graduation Date: May 2026

Relevant Coursework: Abstraction and Design in Computation, Design and analysis of Efficient Algorithms and Data Structures, Data Structures and Algorithms, Computer Graphics, Probability, Understanding and Using Generative AI, Harvard's Introduction to Computer Science

Experience

Karpool

Cape Town, South Africa

Software Development intern

May 2024 – Present

- Implemented the groups feature for the Karpool ridesharing app with Azure and react native to allows users to ride together in groups.
- Redesigned the app's matching algorithm to use faster heuristics to pair riders with drivers within a 3-mile radius of their starting location.

Harvard University – Dean's Office

Cambridge, MA

Communications Support Student Officer

October 2022 – November 2023

- Designed and maintained the Harvard College Dean's Office website to enhance resource accessibility for staff.
- Developed a blog app using the MERN stack and GCP for staff to anonymously share feedback, opinions, and media internally.

Equity Bank Rwanda

Kigali, Rwanda

Software Developer

December 2021 – August 2022

- Revamped Equity Bank Rwanda's Phone Solution digital banking app with a Node.js migration, leveraging Google Cloud and Docker for seamless customer onboarding at agent locations, resulting in 25,000+ new accounts.
- Redefined the app's UI, resulting in a more intuitive registration process and heightened customer satisfaction and user experience, increasing the number of regular app users by 15%.

Leadership & Volunteering

Vintage Team

Remote Freelance

Founder & Team Leader

April 2020 – Present

- Spearheaded the development of bespoke digital solutions, including apps and websites for 4 organizations, each of which saw heightened digital presence and over a 10% increase in their customer base.
- launched a comprehensive digital library management system for my alma mater, leading the project from ideation to execution, and oversaw project communications.

Harvard African Students Association

Cambridge, MA

Vice President, Software & Technology Chair

April 2023 – Present

- Initiated and executed the development of the Harvard African Students Association's official website, ensuring a robust and dynamic platform to represent the organization and perform ticketing and bookings online.

Phillips Brooks House Association, RISE Team

Cambridge, MA

Senior Counselor

May 2023 – August 2023

- Taught English to 30 recently immigrated high schoolers, bolstered their linguistic proficiency, and eased cultural adaptation to support their academic development.

Skills & Interests

Technical: Python (Professional), JavaScript (Professional), C++ (Advanced), SQL (Advanced), Ocaml (Intermediate)

Java (Intermediate), PHP (Basic), React & React Native (Professional), GCP, Azure

Language: English (Fluent), French (Fluent), Kinyarwanda (Native), Swahili (Intermediate)

Interests: Choral music (Harvard Glee Club), Piano, Soccer, Reading

Achievements and Awards

#1 high school valedictorian; 1st place national ranking in Rwandan Computer Science High School Leaving Exams; Won the 2021 National Coding & Robotics Competition; 2019 National Math Olympiad Finalist