KATIA GWANEZA NKURUNZIZA
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EDUCATION
Minerva University (#1 Most Selective University in the United States) **San Francisco, CA**
Bachelor of Science in Computational Sciences: Computer Science and Statistics *Aug 2023 – May 2027*
- Relevant Coursework: Formal Logic, Probability, Statistics, Algorithms and Data Structures, Simulations.
- Student Representative for Work Study for the Class of 2027. Minoring in Cognition, Brain, and Behavior.

PROJECTS
Jive-Fi **Palo Alto, CA**
Project Coordinator and Front-end Developer at Treehacks 2024 *Feb. 2024 – Present*
- Improved time efficiency in wifi configuration by 50% by creating an AR app to visualize wifi hotspots and dead spots using **React Native** and **TypeScript**.
- Independently developed a new machine learning algorithm to recognize devices based on their unique stickers and linked them to network connection details using **React Native**. DevPost

WealthWise App @ Google **San Francisco, CA**
Student Consultant *Sep. 2023 - Present*
- Developed an app using **Flutter** to raise awareness for financial literacy and expense-tracking under the mentorship of partners at Google as a co-curricular problem-solving project.
- Collaborated with a diverse team to design a community-centered framework for the app.
- ***Tools***: Flutter, Figma, Git

Caffeine Intake Smartwatch Advisor **San Francisco, CA**
Winner of Best Use of Zepp Health in CalHacks *Oct. 2023 - Dec. 2023*
- Designed smartwatch UI/UX features to monitor and advise caffeine intake amounts using **Figma**.
- Developed a machine learning model to tailor caffeine intake advice to individual metabolism and real-time data using Mindsdb fine-tuning.
- Awarded the prize for best use of Zepp Health smartwatch at CalHacks. DevPost
- ***Tools***: Zepp API, Mindsdb, Git, Javascript, Figma

EXPERIENCE
UL Solutions **Fremont, CA**
SAR Engineering Intern *May. 2024 – Present*
- Tested 4 phone projects and variants for Specific Absorption Rate (SAR) in a fast-paced environment during rush season
- Radiated Testing: Recorded data using DASY5/6, SPEAG, Callbox, and Spectrum Analyzer to determine emitted power detected from phones
- Conducted Testing: Measured Power Output from samples at **LTE & FR1 (2.4GHz)** frequencies utilizing power meters, coaxial cables, attenuators
- Performed weekly System & Liquid Checks operating Signal Generator & **DAK** Software to ensure data reliability

Bridge2Rwanda- Isomo Academy **Kigali, Rwanda**
Recruitment and Academic Fellow *Apr. 2023 – Aug. 2023*
- Conducted extensive research on student background by contacting schools and cross-referencing to prevent falsified information, securing application authenticity at 100%.
- Leveraged **Python** and **R** to parse through 3000 application data sets, verifying even representation of gender, region, and schools, reducing analysis time by 40%.

SKILLS AND INTERESTS
- **Technical Skills:** Proficient in Python, C++, Java, Flutter, HTML, CSS, SQL, Data Structures and Algorithms, and intermediate in R, Javascript, React Native, Typescript.
- **Languages:** English (Fluent), French (Fluent), Kinyarwanda (Native), Kirundi (Fluent), Kiswahili (Fluent).
- **Personal Interests:** Actuarial Science, reading books about African history, traditional Rwandan dance.
- **Programs:** Inside HRT, RSM Excellence Academy, AI4ALL Ignite, CodePath Technical Interview Prep 2024