

# Souvenir Turinumugisha

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## EDUCATION

**Northwestern University**, Evanston, IL  
Bachelor of Science in *Computer science*

*Expected Graduation: June 2028*

**Rwanda Coding Academy**, Nyabihu, Rwanda  
High school diploma in *Software programming and Embedded systems*

*February 2020 - August 2023*

## WORK EXPERIENCE

### Software Developer

*February 2024 - October 2024*

*Vipi Technologies Group*

Kigali, Rwanda

- Pioneered the design and implementation of Vipi Transport UI, delivering an intuitive and user-centric experience.
- Accelerated deployment efficiency by engineering and automating CI/CD pipelines with Jenkins and AWS.
- Optimized PostgreSQL database architecture, increasing system scalability and enhancing data retrieval performance.

### Full Stack Software Developer Intern

*October 2023 - December 2023*

*Pivot Access*

Kigali, Rwanda

- Innovated and delivered the Pivot UI reusable components library, streamlining UI development of Complex UIs for Tekana v2 thus reducing frontend development time by 30%.
- Delivered a full-stack Tekana v2 module that automated the motor vehicle inspections for the Rwanda National Police, cutting paperwork by 40% and improving service efficiency by 10%.
- Contributed to the Tekana v2 system architecture revamp from monolithic to microservices architecture boosting scalability and maintainability.

### Frontend Developer Intern

*September 2022 - June 2023*

*Clinical Trial Media (CTM)*

Hauppauge, New York

- Delivered 50% of the SM-Screener project's interactive UI, ensuring high performance and user-centric design.
- Developed unit tests for 32 CTM components library components, achieving 90% code coverage.
- Reviewed and optimized 30+ peer code contributions, enhancing readability, scalability, and reliability.

## PROJECTS

### Bookinga

*June 2021 - September 2022*

- Delegated software requirements gathering by surveying over 1,000 Rwandans and 10 transport institutions in Rwanda.
- Initiated and Led the design and development of Bookinga project MVP managing the end-to-end software lifecycle.
- Implemented agile methodologies across the project team through daily stand-ups and bi-weekly sprint reviews improving delivery times by 20%.

## VOLUNTEER EXPERIENCE

### Technical Curriculum Developer & Mentor

*May 2024 - August 2024*

*Brainiacs ALU*

Kigali, Rwanda

- Co-designed a 4-month software development bootcamp curriculum with Brainiacs Organization faculty to prepare African Leadership University Computer Science students for the software engineering market.
- Supervised and mentored 50 students in Foundations of Programming, offering personalized guidance and comprehensive code reviews.
- Facilitated 12 ideation and prototyping sessions, empowering 10 teams to develop unique project ideas, functional mockups, and testable prototypes.

### Co-founder & Representative

*January 2022 - Present*

*Helping Hand Foundation*

Nyabihu, Rwanda

- Strategically organized impactful fundraising campaigns allowing the organization to provide year-round health insurance and food security to 60+ underprivileged families in Rwanda.
- Secured over \$5,000 in funding for the education and welfare of street children through the foundation.

## TECHNICAL SKILLS

**Languages & Databases:** Python, Javascript, Typescript, C/C++, Java, Matlab, PostgreSQL, SQL, MongoDB

**Frameworks/Tools:** React, Angular, TailwindCSS, HTML/CSS, Cypress, SpringBoot, Node JS, Express, Git, Github, Gitlab, Asana, Jira, Trello, VS Code.