THARCISSE NTIRANDEKURA

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EDUCATION

Oberlin College   Oberlin, OH
Bachelor of Arts in Computer Science and Economics   *Expected graduation - Spring 2027*

Cumulative GPA: 3.60/4.0

Coursework: Data Structures (Java), Algorithms, Systems Programming(Bash, Rust), Programming Abstractions, Natural Language Processing, Software: Start to Start Over, Money, Banking, Fin System & Economy

Clubs: Finance, Robotics, Google Developer Student(Burundi)

SKILLS

Languages & Databases: Python, Java, TypeScript, Rust, Bash, SQL (Postgres), NoSQL (MongoDB), Html/CSS
Frameworks: Django, React, Angular,Express.js, Tailwind CSS
Developer Tools & Libraries: Git, Docker, AWS, Google Cloud, Figma, Matplotlib, Chart.js
Certifications: Boston Consulting Group GenAI Job Simulation (Forage), AWS APAC Solutions Architecture (Forage)
Web Development Techniques: RESTful APIs, Microservices Architecture

EXPERIENCE

Co-founder & Chief Growth Officer   Jan. 2025 – Present
Dufashe   *Bujumbura, Burundi*

- Architected and implemented scalable backend systems, enhancing platform performance and user accessibility
- Overcame cross-border payment barriers by integrating local mobile money gateways (Lumicash, EcoCash), enabling users to launch campaigns in under 5 minutes and withdraw funds in local currency

Student Software Developer   Aug. 2024 – Present
Oberlin College & Conservatory   *Oberlin, OH*

- Engineered performance optimizations, boosting concurrent user capacity by 5% and enhancing overall system efficiency
- Cut storage costs by 20% through automation scripts for cache management, enhancing system efficiency
- Enhanced application security and streamlined user logins for over 500+ employees and students, while reducing password-related support tickets by 40% by integrated Okta Single Sign-On (SSO)

IT & Web Developer Intern   June 2024 – Aug. 2024
Tujenge Africa Foundation   *Bujumbura, Burundi*

- Redesigned 5+ website sections, significantly improving user engagement and satisfaction through strategic enhancements
- Reduced ticket resolution time by 5% and improved system up-time by addressing technical issues for 50+ students and staff in coordination with the IT team
- Strengthened overall system security protocol by implementing RADIUS(Remote Authentication Dial-In User Service)

PROJECTS

Epreuve.com (Founder) | *Django, REST API, Angular, PostgreSQL, Docker, Nginx, Bash, Claude ai, Cursor*   Feb. 2025 – Present

- Founded and led the development of a national education platform to democratize access to exam resources for underrepresented students in Burundi
- Bridged the urban-rural education gap by enabling over 1,000 students in remote areas to access critical learning materials via an accessible, mobile-optimized platform
- Integrated Gemini API to extract content from PDF exam files, convert them into interactive online practice tests, and train an AI tutor to provide free, personalized tutoring for students

EXTRACURRICULAR & CERTIFICATIONS

Bank of America Investment Banking virtual experience program (Forage) | *Excel, Data Analysis*   Jul. 2025

- Developed a discounted cash flow (DCF) model in Excel to compute equity and share valuations, enhancing proficiency in data modeling and analytical tools
- Performed sensitivity analysis to assess the impact of variable changes on valuation outcomes, demonstrating strong problem-solving and analytical skills
- Synthesized complex financial data into a concise company profile, improving ability to translate technical information into clear, actionable insights