

Mageto Nyakoni

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Objective

I bring strong foundations in Python, Java, C++, data analysis, and systems design, with exposure to manufacturing and semiconductor ecosystems through the North Texas Semiconductor Institute and circuits/Arduino outreach. I aim to apply software, data, and automation to process engineering and semiconductor device manufacturing.

Education

Northeastern University **Admitted for Fall 2026**
M.S. in Semiconductor Engineering, Concentration in Materials & Manufacturing Boston, MA

- **Scholarships & Honors:** Recipient, 55% Merit-Based Tuition Scholarship

The University of Texas at Dallas **May 2025**
B.S., Software Engineering Richardson, TX

- **Scholarships & Honors:** Academic Excellence Scholarship, NSBE Bridge Scholar, INROADS Fellow
- **Relevant Coursework:** Algorithms & Data Structures, Operating Systems, Databases, Software Testing, Software Project Planning, Requirements Engineering, Intro to Machine Learning, Human Language Technologies (NLP), Software Engineering Project

Technical Skills

Programming: Python, Java, JavaScript, SQL, HTML/CSS

Frameworks & Tools: WordPress, Next.js, React, Flask, MySQL, MongoDB, Linux, Vercel, Git/GitHub

Data & Analysis: Power BI, Python (Pandas), basic statistics, dashboarding & reporting

Hardware & Semiconductor Exposure: Circuits & Arduino (STEM instruction), 3D design, semiconductor ecosystem exposure through NTxSI, strong interest in device fabrication, process control, and yield analysis

Experience

Infosys **May 2026 – Present**
Software Developer in Test (SDET) Richardson, TX

- Building skills in software test engineering through Selenium-based automation and broader testing workflows
- Pursuing cloud and AI upskilling, including AZ-900 certification preparation

Revature **December 2025 – February 2026**
Java Full Stack Software Engineer Plano, TX

- Completing intensive training in Java full-stack development, focusing on Spring and modern web technologies

North Texas Semiconductor Institute (NTxSI) **November 2024 – August 2025**
Student Assistant Richardson, TX

- Maintained WordPress Institute website, shipped UX updates, CSS refactors, as well as adding News Feed and additional pages.
- Supported semiconductor outreach as a student assistant on field trips for North Texas K-12 students, reinforcing Fabrication concepts through hands-on demonstrations.

Match Group (Match.com) **June 2024 – August 2024**
Product Manager Intern, Growth & Monetization Dallas, TX

- Gathered requirements with Payments Engineering, Finance, and Legal; authored 45 Jira user stories and co-owned a subscription payments migration plan, with a projected ~30% profit uplift and weekly executive readouts.
- Co-led a Gen-Z acquisition workstream, building a feature roadmap and outlining risks/dependencies; concept work was projected to increase MAU by ~8%.
- Coordinated across six cross-functional partners (Engineering, Finance, Legal, Design, Data, QA) to fully develop a growth-focused feature designed to increase user engagement and retention.

RSM **June 2023 – August 2023**
Data Analyst Intern, Innovation Team Minneapolis, MN

- Utilized Power BI to analyze course completion and demographic data for 1,000+ employees; proposed a strategy targeting a 30% increase in program adoption.

- Implemented Python & Pandas to clean and transform data across three projects, improving Data Science team throughput by ~20%.

HAKing Innovation

Mar 2023 – Mar 2024

Engineering Intern

Dallas, TX

- Introduced Programming, 3D Design, Circuits, and Arduino to 100+ Dallas ISD students in after-school and summer STEM programs.
- Assisted with hands-on lab-style activities, building early familiarity with electronic circuits and hardware concepts while refining technical communication skills.

Projects

Mustang Optics Website

Next.js, Vercel, JavaScript, HTML/CSS, Git

- Designed and developed a fully responsive website from scratch for a small optics engineering business using Next.js, with reusable components and modern UI patterns.
- Created design mockups in Figma and ensured usability and visual consistency across devices; deployed and maintained the site on Vercel.

Location Verification App

Flutter, Dart, C++, Java

- Designed an intuitive UI/UX for a cross-platform mobile application (Android and iOS) using Flutter, ensuring seamless navigation and clear location feedback.
- Collaborated with a team of five to integrate GPS tracking and backend services, optimizing real-time updates for location verification and improving overall responsiveness.

Leadership & Community

Product@Dallas

July 2024 – May 2025

Co-Founder & Program Manager

UT Dallas Chapter

- Co-founded the first Product Management student organization at UT Dallas; grew participation to 30+ active members.
- Organized product case workshops and mock panels; supported 10+ members in earning PM/SWE offers at companies such as Microsoft and Salesforce.

Jonsson School of Engineering Council

April 2024 – April 2025

President & Council Secretary

UT Dallas

- Led council initiatives and supported 20+ engineering organizations through monthly town halls and standardized status reporting to the Dean and faculty.
- Built a new onboarding roadmap and monthly readout structure, improving council membership engagement and good standing by ~40%.

National Society of Black Engineers (NSBE), UTD Chapter

April 2023 – May 2025

President

UT Dallas Chapter

- Secured \$15k+ in funding by leading a 15-member executive board using agile planning for programs supporting underrepresented engineering students.
- Increased chapter membership by ~300% through campus outreach and collaborations with engineering and cultural organizations.

Microsoft

September 2023 – May 2025

Teals Volunteer

Dallas, TX

- Supporting JJ Pearce HS's AP Computer Science A Teachers in instructing **Java** & **OOP** for 30+ students

Additional Affiliations: Management Leadership for Tomorrow, ColorStack, ACM, African Student Union

Awards

- 1st Place — **Tindership Hackathon** (Best Overall Product), \$5,000 2024
- 1st Place — **Apple Black@Hardware Award**, \$5,000 2024
- **NSBE Region 5 Community Enrichment Vanguard Award** 2024
- **INROADS "The Future You" Award** 2024