

Daniel Gekonde - Computer Science Major

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Aspiring software engineer and cybersecurity enthusiast with a strong foundation in Python, C++, and cybersecurity principles. Experienced in data structures, object-oriented programming, and problem-solving.

EDUCATION

Michigan State University, E. Lansing, MI

Aug 2022- May 2026

Bachelor of Science, Computer Science

Selected Coursework: Data Structures (Python), Computer Architecture, Machine Learning, Computer Security

SKILLS

Programming Languages: Python, C/C++, x86 Assembly, SQL, HTML/CSS

Developer Skills/Tools: Git, VS Code, PyCharm, Vim

Technologies: Windows, MacOS, Linux (Ubuntu), Excel

PROJECTS

Michigan State University

CSE 331 – Hybrid Sorting

- Implemented a modular hybrid sorting algorithm that dynamically switches between merge sort and insertion sort based on sublist size to optimize performance.

CSE 320 – Message Decryption

- Translated variable-length encoded messages into ASCII by manually parsing and packing bits, with buffer-overflow protection using C.

Personal

Portfolio Website

- Developed a responsive personal website using HTML, CSS, and JavaScript to showcase projects, resume, and contact information.

EXPERIENCE

Elite Parking Solutions, Farmington Hills, MI

Aug 2021 - Present

Valet Attendant

- Retrieved and parked cars in various weather conditions and managed traffic at high volume venues and events
- Introduced ticketless valet system to optimize service

Machinetools.com, Birmingham, MI

Jul 2020 – Dec 2021

Marketing Team Member

- Posted heavy duty machinery on social media to promote sales

INVOLVEMENTS

National Society of Black Engineers

Aug 2022 – Present

- Participated in professional development workshops, networking events, and technical seminars

Cybersecurity Club

Aug 2023 – Present

- Participated in technical workshops analyzing blockchain fundamentals, cryptographic protocols, and decentralized systems security

African Student Union

Aug 2022 – Present

- Engaged in cultural, educational, and community events celebrating African heritage and promoting diversity on campus