**Daniel Gekonde**

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Computer Science student at Michigan State University with hands-on experience in data structures, algorithms, and systems programming. Seeking Summer 2026 software engineering or cybersecurity internship to apply technical skills in Python, C++, and systems design.

**EDUCATION**

**Michigan State University - College of Engineering,** E. Lansing, MI Aug 2022 - Dec 2026

*Bachelor of Science, Computer Science, Dean’s List*

*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, CLion, Vim

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

**PROJECTS**

**Michigan State University**

*CSE 331* – *Hybrid Sorting*

* Implemented a modular hybrid sorting algorithm by dynamically switching between merge and insertion sort based on sublist size to optimize performance in searching large-scale datasets

*CSE 331 – Dynamic Deque & Sliding Window Analysis*

* Implemented a Circular Deque data structure in Python with O(1) insertion/removal and dynamic resizing
* Emphasized robustness and scalability, ensuring correctness under varying input sizes and edge cases

*CSE 320**– Message Decryption*

* Translated variable-length encoded messages into ASCII by manually parsing and packing bits, with buffer-overrun protection using C to simulate firmware decoding in embedded systems

**Personal**

*Portfolio Website*

* Designed and developed a responsive personal portfolio website using HTML, CSS, and JavaScript, featuring interactive project showcases, résumé integration, and a contact form

**EXPERIENCE**

**Elite Parking Solutions,** Farmington Hills, MI Aug 2021 - Present

*Valet Attendant*

* Delivered high-quality service for 200+ guests daily, managing logistics under time constraints while maintaining accuracy and customer satisfaction
* Introduced ticketless valet system to reduce customer wait time and improve efficiency

**INVOLVEMENTS**

**National Society of Black Engineers** Aug 2022 – Present

* Organized professional development workshops and networking events attended by 50+ peers, enhancing technical and career readiness

**Cybersecurity Club** Aug 2023 – Present

* Performed in technical workshops, analyzed blockchain fundamentals, cryptographic protocols, and decentralized systems security

**Association for Computing Machinery** Aug 2022 – Aug 2024

* Engaged with professional computing community through conferences, research publications, and technical workshops