

# Daniel Akinwale

534 Maidstone Dr. Williamstown, NJ 08094

Cell: (856) 562-5495

dda38@cornell.edu / dami20047@gmail.com

<https://www.linkedin.com/in/daniel-akinwale-894297202/>

## EDUCATION

**Cornell University**, College of Engineering, Ithaca, NY  
Bachelor of Science, Mechanical Engineering

**Expected May 2026**

### **Relevant Courses:**

High School: CAD I & CAD II, Digital Electronics, JAVA, Intro to Engineering Design (IED), Principles of Engineering (PoE), Computer Integrated Manufacturing Systems (CIMS), Engineering Design & Development (EDD)

University: Linear Algebra, Differential Equations, Physics 1-3, MATLAB, Statics & Mechanics of Solids, Thermodynamics, Dynamics, Intro to Mechanical Design, Fluid Mechanics, Heat Transfer, System Dynamics, Mechanics of Engineering Materials, Mechatronics, Propulsion Aircraft & Rockets, Automotive Engineering

## SPECIALIZED SKILLS

**Programs:** SQL (Minimal), JavaScript (Minimal), Java (Basic), Python (Basic), MATLAB (Basic), ANSYS (Basic), Fusion360 (Advanced), SolidWorks (Advanced), AutoCAD (Advanced), Microsoft 365: Excel/Word/PowerPoint (Advanced)

**Languages:** Yoruba (Proficient)

## PROFESSIONAL EXPERIENCE

**Emerson Manufacturing Lab**, Ithaca, NY, *MLS Crew Shift Lead*

**January 2024-Present**

- Training students to use the different metalworking machines in the manufacturing studio
- Teaching new trainers how to use machines they did not already know how to use
- Supervising people in shop by policing safety issues and showing proper methods to use tools
- Inventorying and replacing damaged and old equipment
- Designing further training parts for newer members and assisting them in fabrication

**SRW Engineering & Architecture**, Philadelphia, PA, *Mechanical Engineering Intern*

**May 2024-Aug 2024**

- Site visits of new, completed, and in progress buildings
  - Then creating AutoCAD floor plans for outlets, pipes, wiring, heaters, and other infrastructure
- Meetings with clients who own buildings or own property
  - Designing buildings based on client specifications and what they would be used for
    - Dividing large buildings into single family homes, maximizing space given max height of floors and max height a building can be built to, incorporating client ideas like having buildings partially buried
- Learning about architecture, aesthetic considerations, and functional building design
- ASHRAE Training, OSHA 10-Hour Course

**The VMC Group**, Bloomington, NJ, *Shock and Vibration Applications Engineering Intern*

**June 2021-Aug 2021**

- Worked with customers to provide technical insight for isolator selection in the aerospace and defense field.
- Designed, created, and optimized shock and vibration isolation systems to protect sensitive equipment against harsh environments like off-road terrain, turbulent flight, and bomb blasts.
- Learned to perform extensive modeling, simulation, and dynamic analysis of nonlinear six-degree-of-freedom (6DOF) system response to shock and vibration phenomena.

**Tesla Motors**, Sparks, NV, *Tesla Mentee/Intern*

**June 2021-Aug 2021**

- Instructed in SQL, Fusion360, and Python
- Under instruction of mentor: did design project to create a sleeving device for Tesla stator
- 10-hour OSHA certification course

## ORGANIZATIONS

**Cornell Hyperloop (Project Team)**, *Composites Team Lead*

**February 2023-Present**

- Composites Team Lead in charge of designing carbon fiber aeroshell, designing manufacturing process team will follow, instructing team in process, and chemical safety enforcement
- Extensive CAD modeling and analysis with SolidWorks and ANSYS

**National Society of Black Engineers (NSBE)**, *General Member*

**October 2022-Present**

- Work with peers to learn more about engineering, help in our community, and take advantage of the opportunities around us
- Attend conferences and events for career-development and skill-building