

Ralph Audi



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SUMMARY

- Fourth-year Mechanical Engineering and French student with experience across engineering internships, research, and leadership. Current GE HealthCare EEDP Hardware Engineering Intern developing thermal regulation methods for CT detector systems. Trilingual in English, French, and Arabic.

EDUCATION

MARQUETTE UNIVERSITY, Milwaukee, WI

Expected May 2027

Bachelor of Science in Mechanical Engineering

GPA: 3.931/4.000

Concentration: Innovation Leadership; **Minor:** French

WORK EXPERIENCE

GE HEALTHCARE – WAUKESHA SOUTH OFFICE, Waukesha, WI

Edison Engineering Development Program (EEDP) Hardware Engineering Intern

May 2026 – Present

- Developing methods for detector thermal regulation on GE HealthCare's newest and largest CT system.

KINECTR, LLC

Co-Founder

Nov 2025 – Present

- Co-founded Kinectr, an engineering consulting venture connecting companies with engineering students to accelerate prototyping and early-stage engineering development while creating hands-on opportunities for students.
- Secured and oversaw multiple client engineering projects while managing a network of 12+ engineering students and cultivating relationships with leaders at multi-billion-dollar companies.

GE HEALTHCARE – REPAIR OPERATIONS CENTER, Oak Creek, WI

Operations Management Leadership Program (OMLP) Manufacturing Engineering Intern

May 2025 – August 2025

- Centralized maintenance data for 7,000+ PCS Demo units across 200 product types by analyzing 100,000+ pages of documentation and integrating multiple data systems, reducing manufacturing team workload by 6 hours/day.
- Authored documentation for new tools and processes, ensuring clarity, usability, and regulatory compliance.
- Resolved CAPA investigation, strengthening quality standards and reducing operational risk.

MARQUETTE UNIVERSITY EDUCATIONAL OPPORTUNITY PROGRAM, Milwaukee, WI

Physics Tutor

September 2024 – December 2024

- Delivered tailored support to college students from underprivileged backgrounds by leveraging extensive subject knowledge to create customized lesson plans, enhancing students' understanding and academic performance.
- Improved average test score by 10%.

CLEMENT J. ZABLOCKI VA MEDICAL CENTER, Milwaukee, WI

Undergraduate Research Assistant

May 2024 – October 2024

- Modeled a truck-to-pedestrian collision across two impact positions using Finite Element Modeling (LS-Dyna) to present a case for improved testing regulations and patient care standards.
- Conducted literature review across 50+ vehicle-to-pedestrian collision studies to support computational model validation and strengthen domain expertise in collision biomechanics.

ACTIVITIES

BIOMEDICAL ENGINEERING SOCIETY (BMES),

September 2023 – Present

- **Project Manager, MUSCLE MUSIC PROJECT**

August 2025 – Present

- Led development of an EMG-integrated assistive system translating muscle activation into digital music for users with fine motor disabilities by integrating hardware, software, and assistive design to deliver a functional prototype.
- Managed a 15-member engineering team as Project Manager by coordinating execution, implementing structured feedback systems, and strengthening communication to maintain steady project progress.

NBA STATISTICAL DATA ANALYSIS PROJECT

February 2024 – June 2025

- Developed a statistical model identifying predictive NBA patterns, achieving 4-figure profit across 50+ targeted bets validated against thousands of games of historical data.
- Automated data collection and cleaning using MATLAB software and Excel tools, reducing lead time by 98% per game.

EXCELLENCE IN ORAL EXPRESSION AWARD

April 2024, April 2025

- Sole recipient for exceptional French oral communication and linguistic command.