

NAYAB WARACH

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EDUCATION

Texas A&M University
B.S. Electrical Engineering
Minor in Mathematics

College Station, TX
May 2026

PROFESSIONAL EXPERIENCE

KANM Student Radio
Station Manager

College Station, TX
April 2024 – Present

- Lead a team of **30+ volunteer staff members**, overseeing recruitment, training, and performance evaluations to ensure high-quality broadcast standards.
- Manage the daily operations of a student-run internet radio station, coordinating programming schedules, live events, and promotional activities for **over 200 members serving over 700 daily listeners**.
- Oversee the application and implementation process for an **FCC Low Power FM license** through the university, contributing to the station's compliance and legal broadcasting expansion.
- Elected as Station Manager **following a successful year as System Administrator**, where I enhanced system reliability and user support, demonstrating leadership and technical expertise.

Texas A&M College of Engineering
Peer Teacher

College Station, TX
August 2023 – Present

- Instruct as a teaching assistant for a **Python** Computation Laboratory class of **100 freshmen**, facilitating student learning and understanding of programming concepts.
- Host virtual office hours, answer questions, and moderate the engineering discord chat platform, serving a community of **over 4000 members**, offering timely and valuable assistance to students, and fostering a collaborative environment.
- Effectively grade programming assignments, quizzes, and exams, maintaining consistent and fair assessment practices.

HW Lochner

Aviation Electrical Engineering Intern

Dallas, TX
January 2023 – January 2024

- Design and analyze airport civil and electrical infrastructure projects using **AutoCAD** and **Adobe Illustrator**, resulting in accurate project execution and improved infrastructure efficiency.
- Prepare technical reports and presentations for clients including **DFW International Airport** and **50 TxDOT airports**, ensuring clear communication of project specifications and earning positive client feedback.
- Specialize in **facilities/runway lighting**, **NAVAIDS**, and **digital signage** planning/installation at general aviation and commercial airports, including the award winning DFW Airport Wayfinding project.

PROJECTS

KANM Student Radio Website & Automation Software
Project Manager and Full Stack Software Developer

College Station, TX
May 2023 – Present

- Rewriting KANM Student Radio's website and radio automation software using **Next.js**, **Docker**, and **MySQL** technology, contributing to the modernization and enhanced functionality of the platform.
- Enhancing user interfaces for officers and DJs, efficiently managing a **30,000-song library**, while facilitating updates and show management for around **100 DJs**.

ACTIVITIES & LEADERSHIP

KANM Student Radio
Station Manager (April 2024 – Present); System Administrator (May 2023 – April 2024)

College Station, TX
May 2023 – Present

Institute of Electrical and Electronics Engineers
Member

College Station, TX
July 2023 – Present

Texas A&M Amateur Radio Club (W5AC)
Treasurer

College Station, TX
December 2022 – January 2024

SKILLS

Skills: Electrical Engineering, Infrastructure, Airfield Lighting & NAVAIDS, Digital Signage, Wayfinding, Vivado, AutoCAD incl. Civil3D, MicroStation, Radio Broadcasting, Adobe Creative Cloud, Ham Radio, System Administration, Linux, RHEL, SQL, Docker

Languages: C++, Java, JavaScript, Python, Verilog