

KATELYN M. NGUYEN

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OBJECTIVE

Bachelor of Science in Computer Engineering student seeking an internship in areas in both software and hardware.

EDUCATION

Texas A&M University | College Station, Texas

Bachelor of Science in Computer Engineering | **Minors** in Mathematics and Cybersecurity

GPA: 3.826 | **Expected Graduation:** May 2025

Relevant Coursework: Electricity and magnetism physics, Differential equations, Discrete structures for computing, Electrical circuit theory, Program design and concepts, Data structures and algorithms, and Computer architecture and design.

SKILLS

Python, Java, C, C#, XAML, SQL, Verilog, ARMv8, Autodesk Inventor, Solidworks, LTSPICE, Git, UNIX, Canva

WORK EXPERIENCE

SOFTWARE ENGINEERING SUMMER INTERN | MS Directional | Conroe, TX | 05/2023 to 08/2023

- Worked in a mid-sized directional drilling service company with major clients in the onshore oil and gas production field.
- Simulated compression algorithms for gamma data using Python to improve data storage, transmission efficiency, and visualization.
- Improved drilling efficiency by revising C language firmware for the DSP within Measurement While Drilling (MWD) tools.
- Learned C#, XAML, and Windows Presentation Foundation (WPF) to engineer a licensing manager for an MWD testing application improving user experience and software functionality.
- Designed a cloud-based SQL database using MySQL Workbench for efficient and real-time license management.
- Proficiently employed Git and the Tortoise-Git version control interface to manage collaborative software development efforts.
- Delivered comprehensive presentations on project design processes and contributions to senior management, demonstrating effective communication and presentation skills.

STUDENT ASSISTANT AND PEER TEACHER | Engineering Academic and Student Affairs | 08/2022 to 12/2022

- Taught freshman engineering students how to code in Python using the Spyder integrated development environment.
- Provided open one-on-one mentoring sessions to students seeking additional support outside of class.
- Assisted with coding challenges, problem-solving techniques, and concept clarification.

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

PUBLIC RELATIONS MARKETING CHAIR | Vietnamese Student Association | 05/2022 to 05/2023

SPRING INTERN AND JUNIOR OFFICER | 08/2021 to 05/2022

- Applied design principles to craft engaging social media graphics.
- Increased member engagement and retention through promoting events daily on Instagram and Facebook.
- Represented the organization as a media liaison, fostering connections with other on-campus organizations and external universities.
- Designed, funded, and successfully marketed merchandise to our organization's members and other VSAs in the southern United States, enhancing brand recognition and fundraising efforts.
- Organized and hosted several large-scale social gatherings, each with over 300 attendees. These events strengthened community bonds and served as self-funded fundraising initiatives, with all proceeds contributing to the Union of North American VSAs' (UNAVSA) annual Collective Philanthropy Project.

PRESIDENT | Math Honor Society (Mu Alpha Theta) | 08/2020 to 05/2021

- Pioneered the establishment of the Grand Oaks chapter, demonstrating leadership to bring this organization to our school community.
- Spearheaded impactful volunteer initiatives at local middle and junior high schools, fostering an engaging math learning environment.
- Collaborated closely with educators to develop, tailor, and enhance students' accessibility to tutorial assistance.

SERVICE

DONATION PACKAGE ASSEMBLER | Brazos Valley Food Bank | 08/2021 to Present

- Prepared and packaged nonperishable food items, ensuring that community members receive support.
- Expertly organized and loaded completed care and food packages onto pallets, guaranteeing efficient distribution to those in need.