Megan Yeoman

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EDUCATION

The University of Texas at Austin   Bachelor of Science, Electrical and Computer Engineering   May 2025
GPA: 3.70/4.00

The University of Texas at Austin   Engineering Communication Program in Barcelona, Spain   June 2022

Relevant Coursework: Algorithms, Data Structures, Software Engineering Lab, Software Design and Implementation II, Software Design and Implementation I, Digital Logic Design, Introduction to Embedded Systems, Introduction to Computing, Introduction to Electrical Engineering, Linear Systems and Signals, Circuit Theory, Discrete Mathematics, Probability and Random Processes, Digital Media Production

EXPERIENCE

Venable Instruments – *Electrical Engineering Intern;* Austin, TX   May 2023 – August 2023
- Authored a comprehensive assembly manual for the Frequency Response Analyzer product line. Includes diagrams, photos, BOMs, and specialized information for each model. Tracks assembly at the board level through mechanicals and testing
- Trouble-shot faulty circuit boards by removing and soldering chips, resistors, and capacitors on PCBs
- Assembled, tested, and calibrated fourteen Frequency Response Analyzers for final delivery to customers across multiple models
- Developed a primary Bill of Materials listing across PCBAs to identify in real-time limited and/or obsolete parts driving production planning

Austin Gymnastics Club – *Gymnastics Coach;* Austin, TX   January 2017 – August 2021
- Coached competitive women's gymnastics levels one through five
- Supervised practices, provided spotting, and instructed proper execution of skills and routines

ACADEMIC PROJECTS

Embedded Systems Video Game Project   Spring 2022
- Designed, tested, and debugged large C and Assembly based game program
- Implemented I/O interfacing, edge-triggered interrupts, analog-to-digital conversion, digital-to-analog conversion, and sprites
- Built breadboard circuit consisting of microcontroller, liquid-crystal display, slide potentiometer, and switches

Software Design and Implementation II Online Auction Project   Spring 2023
- Designed and developed an online auction server and client; gained experience with backend and frontend web software design and implementation
- Implemented Java Server and Client sockets, multithreading, serialization, JavaFX graphics, data structures, and object-oriented programming

LEADERSHIP EXPERIENCE AND ACTIVITIES

Women in Electrical and Computer Engineering Club (UT Chapter) – *Active Member*   Fall 2021 – Present
– *Communications Officer*   Spring 2023 – Present
- Created and published weekly newsletters and infographics to advertise events, increasing attendance by 30%
- Organized, advertised, and executed club events helping members build their networks, develop professional skills, and foster a community of support within the ECE department

HONORS

Grace Hopper Celebration Scholarship Recipient   Fall 2023

ADDITIONAL INFORMATION

Technical Skills: Python, Java, JavaFX, C++, C, Assembly, Git, MS Office, G Suite, Canva, Soldering
Soft Skills: Verbal and written communication, Result-oriented, Problem-solving, Analytical, Creativity, Adaptability
Interests: Digital Media Design, Music, Cooking, Traveling, Stop-motion Animation