CHLOE QUINN POSLUSZNY

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Entrepreneurial-minded with a passion for electrical engineering, computer science, AI, and programming | Outside-the-box thinker and problem-solver who can communicate and execute creativity | Passionate about learning new methods and ideas

EDUCATION

University of Texas at Austin Class of 2025
Junior B.S. Electrical & Computer Engineering

WORK EXPERIENCE

Microsoft: MSAI, M365 Core, Semantic Machines*, Software Engineering Intern* May 2023 - August 2023
- Collaborated with a team of software engineers to classify natural language data
- Utilized machine learning, natural language processing, large language models, and object-oriented Python
- Completed functioning classification tool for internal development purposes

IEEE Robotics and Automation Society*, Software Engineer* January 2023 - Present
- Developed interfacing functions for Raspberry Pi and Arduino Uno using C++ and Python

Longhorn Racing Combustion*, Electrical Engineer, Software Engineer, and Project Lead* August 2021 – August 2022
- Engineered parts using Solidworks and Blender and collaborated on wiring harness design
- Collaborated with a team to develop PCBs and circuits using KiCad and GitHub; programmed in Python

PROJECT EXPERIENCE

Full Stack Library GUI Client and Server April 2023
- Implemented and developed a front-end library client GUI to handle client interactions
- Programmed back-end multi-threaded server functionality with MongoDB database integration and socketing

String Operations Library in C September 2022
- Developed string operations library to reverse, concatenate, copy, allocate, reallocate, and free strings on the heap
- Successfully implemented programming assignments utilizing these string operations

ACTIVITIES & HONORS

Theta Tau Professional Engineering Fraternity*, Webmaster, Historian Committee Head* Fall 2021 – Present
- Photographed events and headshots; coordinated collaboration between photographers
- Updated, managed, and maintained organization's website

Air Force Association's CyberPatriot Competitor, *Team Leader* Fall 2017 – Spring 2021
- Competed in a cyber security competition on various operating systems to find, assess, and remove threats
- Earned honors from the city mayor as a newcomer team for our excellent work in the competition

Scouts of America*, Patrol Leader, Quartermaster, Scribe* Fall 2009 – Summer 2021
- Developed leadership and teamwork skills, contributed to community service projects
- Improved self-confidence, ethics, and conflict resolution abilities

Science and Engineering Fair of Houston*, Competitor* August 2018 - March 2019
- Developed an automated water removal system using compressed air and IR sensors for a vehicle's side view mirror
- Programmed in Arduino (C++), designed custom circuits, used Arduino microcontrollers on the ATmega328P platform

Honors: William A. Lanagan Scholarship Recipient**,** Awarded the MIT Alumni Award for Engineering and the Society of Indian Engineers Award for Engineering (SEFH 2019), won second place overall and first place in category - engineering (GSEF 2019), obtained Honorable Mention for the SEFH-2017, and advanced to state and attended TSEF-2017

SKILLS

Programming Languages: C, C++, ARM Assembly, Java, Python, HTML, CSS, Object Oriented Programming
Programs/APIs: MongoDB, GPT, Linux, Windows, MacOS, Keil, Arduino, KiCad, LTspice, Visual Studio Code, Clion, GitHub, Word, Excel, GIMP, Photoshop, Darktable, Lightroom, Vegas, Cura, Blender, Solidworks, Inventor, Unreal Engine 4, Git
Microcontrollers/Processors: Atmel AVR ATmega328P, TI Launchpad Tivia C Arm Cortex-M4F TM4C123GXL

ADDITIONAL INFORMATION

Interests: Out for Undergrad Engineering (O4U), Lesbians Who Tech, LGBTQ+, IEEE Robotics and Automation Society, Computer Programming, Hardware, 3D Modeling, 3D Printing, Cyber Security, Photography, Volleyball, Gaming, and Software