

Education

B.S., Electrical and Computer Engineering Austin, TX
The University of Texas at Austin Expected May 2025
Relevant Coursework: Circuit Theory, Linear Systems & Signals, Embedded Systems, Software Design & Implementation, Algorithms, Computer Architecture, Operating Systems
Organizations: Phi Kappa Sigma Fraternity, Texas Spacecraft Laboratory

Technical Experience

Alation, Inc. Remote
Total Rewards Intern February 2024 – December 2024

- Spearheading the development of a proprietary internal tool at Alation designed to optimize the comparison of market data for employee compensation, ensuring competitive and equitable salary and share grant decisions.
- Solely responsible for the integration and analysis of complex datasets to accurately assess employee performance percentiles, directly influencing equity distribution and incentivization strategies.
- Utilizing advanced programming and data analysis skills to create a robust solution that automates the evaluation of compensation benchmarks, streamlining the decision-making process for the allocation of employee shares

Apple, Inc. Remote
iOS Technical Support Advisor June 2022 – June 2023

- Delivered exceptional technical support for Apple's suite of mobile devices, earning a 97% customer satisfaction rating.
- Managed high-volume call environments, skillfully addressing over 350 customer issues per quarter.
- Documented interactions with detail and accuracy, providing valuable data for product improvement initiatives.

NewDay USA Fulton, MD
Intranet Development Intern June 2020 – July 2020

- Led the development of a new intranet portal, improving internal communication for over 600 employees.
- Orchestrated department-specific training sessions, enhancing the company's content management capabilities.
- Designed and implemented custom web elements tailored to departmental needs, utilizing HTML and CSS.

Projects & Involvement

Clang Taint Analysis Austin, TX
ECE Senior Design, in collaboration with Ericsson August 2024 – May 2025

- Conducting a comprehensive analysis on Clang's taint analysis capabilities to evaluate its effectiveness in identifying security vulnerabilities in C/C++ code.

Resource Manager Austin, TX
ECE 422C, Software Design & Implementation January 2024 – May 2024

- Built a dynamic resource management and allocation system to allow projects to check in and out resources from shared pools, leveraging React, Python, and MongoDB.

Cog*Works: Autonomous Cognitive Assistant Remote
MIT Beaver Works Summer Institute June 2020 – August 2020

- Developed a computer vision-based mask detection algorithm with 93% accuracy using PyTorch.

Skills

Technologies: Python, Java, C, C++, ARM Assembly, Apple iOS & Devices, PyTorch, Machine Learning, React, Flask, HTML/CSS, JavaScript & TypeScript, MongoDB

Soft Skills: Customer Service, Technical Troubleshooting, Effective Communication, Training, Leadership