Alex Anderson

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Dallas, TX • Résumé current as of September 1, 2022

Academics

Texas A&M University, *College Station, TX* .... 08/2019 - 05/2023
Bachelor of Science in Electrical Engineering, GPA: 3.89
Minor in Computer Science

Experience

Radiation-Hard VCSEL-Based Transceiver, *Research Assistant* .... 08/2022 - Present
Undergraduate thesis under University Research Scholars (URS) program.

Texas Instruments, *Applications Engineering Intern* .... 06/2022 - 08/2022
High-Speed Signal Conditioning product line
Created internally and externally published documentation over TI family of USB 2.0 redrivers.
Provided support, review, and debugging for customer designs.
Obtained lab measurements, compliance reports, and eye diagrams for redrivers, retimers, muxes.

Group Testing for Food Safety, *Research Assistant* .... 02/2022 - 06/2022
Performed pooling experiments in a laboratory setting using Salmonella Typh.
Extensive simulation design in Python using packages including Scipy, Numpy, Matplotlib, Seaborn.
Presented poster at Student Research Week (SRW) competition.

Wallace Specialty Insurance Group, *Assistant CSR* .... 12/2018 - 08/2021
Communicated directly with customers to solve unique problems.
Educated and trained coworkers and new hires through workflows and tasks.
Created unique workflows and reference materials to document daily tasks and processes.

Skills

Software	Cadence Virtuoso, OrCAD, Allegro, LabVIEW, Linux, LaTeX
Programming	MATLAB, Python, C++ , HTML/CSS/Javascript, Verilog
Lab Tools	Oscilloscope, Multimeter, Function Generator, Soldering

Activities

Texas A&M Engineering Honors, *Member* .... 08/2019 - Present

IEEE Texas A&M - TEC, *Committee Member* .... 08/2019 - 05/2020
Assisted in planning and executing technical workshops to educate IEEE members on hard skills such as programming, circuit design, and microcontrollers.

Honors

Dean's Honor Roll, *College of Engineering* 05/2020, 12/2020, 05/2022

TAMUHack 2022, *Best Novice Hack* 01/2022
https://devpost.com/software/mymirror

McFadden Scholarship, *Texas A&M University* 08/2019
4-year scholarship based on exceptional academic achievement, leadership, and extracurricular activities.

Eagle Scout, *Boy Scouts of America* 12/2016
Highest distinction in the Boy Scouts of America earned by directly demonstrating leadership, service, and knowledge in various categories.