

# Alex Anderson

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

## Academics

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**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

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**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

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<b>Software</b>	Cadence Virtuoso, OrCAD, Allegro, LabVIEW, Linux, L <sup>A</sup> T <sub>E</sub> X
<b>Programming</b>	MATLAB, Python, C++ , HTML/CSS/Javascript, Verilog
<b>Lab Tools</b>	Oscilloscope, Multimeter, Function Generator, Soldering

## Activities

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**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

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**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.