

# Alex Anderson

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Dallas, TX • Résumé current as of September 2, 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