

# Alexander D. Anderson

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Dallas, TX • Résumé current as of April 21, 2022

## Objective

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Research or internship position in analog electronics to apply my technical skills, tackle unique design challenges, and further my knowledge and experience.

## Academics

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**Texas A&M University - College Station, TX** ..... Expected 05/2023  
Bachelor of Science - Electrical Engineering, GPA: 3.86  
Minor in Computer Science

## Experience

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**Department of Electrical Engr., TAMU, Undergraduate Researcher** ... 02/2022 - Present  
PI: Dr. Suresh Pillai, Co-PI: Dr. Krishna Narayanan  
Developed unique pooling schemes using Group Testing theory in the context of food safety.  
Performed pooling experiments in a laboratory setting using Salmonella Typh.  
Extensive simulation design in Python using packages including Scipy, Numpy, Matplotlib, Seaborn.

**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>Programming</b>	Python, C++ , Java, HTML/CSS/Javascript, Verilog HDL
<b>Design Software</b>	LabView, SPICE, Solidworks CAD, Altium
<b>Lab Tools</b>	Oscilloscope, Multimeter, Soldering, Breadboarding

## 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.  
Managed team of students in planning and building a drone.

**TAMUHack 2022, Best Novice Hack** ..... 01/2022  
Worked collaboratively in a group to develop project *myMirror*, a smart mirror featuring Google Calendar integration and live weather data.  
<https://devpost.com/software/mymirror>

## Honors

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**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.

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

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