CLAYTON KRISTIANSEN

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EDUCATION
Texas A&M University, College Station, Texas   May 2023
Bachelor of Science in Computer Engineering, Graduating with Honors
GPR: 4.0

EXPERIENCE
Texas Instruments, Federal Way, WA
Digital Design Engineering Intern   Jun 2022 – Aug 2022
- Part of a 5-person engineering team developing a program to validate register communication protocol functionality on one of TI's newest chip designs
- Created Markdown documentation of the team's custom UVM implementation used by over a dozen engineers throughout the organization
- Established engineering process to get the at-risk project through design approval on time

Aggie Research Program, Texas A&M University
Researcher   Sep 2021 – Present
- Researching materials for plant-based supercapacitors to reduce use of harmful chemicals in electronics
- Utilizing LSTM and RNN machine learning algorithms to predict efficacy of materials

SEC Directed Internship Program, Texas A&M University
Development Intern   Jun 2021 – Aug 2021
- Led team of 5 engineers using unsupervised deep learning for online apparel shopping technologies

PROJECTS
Fourier Series Visualizer
Independent Project (Python)   Nov 2021 – Dec 2021
- Wrote a Python script for demonstrating the Fourier Series as an education tool for students
- github.com/claytonkristiansen/FourierSeriesVisualizer

Buddy Allocator
Independent Project (C++)   Oct 2021 – Nov 2021
- Created a custom memory management system on Linux using buddy allocation
- github.com/claytonkristiansen/BuddyAllocator

Algorithms Web Visualization
Independent Project (Javascript, HTML, CSS)   May 2021 – Aug 2021
- Developed website with interactive, visual demonstrations of Dijkstra's and Heap Sort
- claytonkristiansen.github.io/Algorithms

TECHNICAL SKILLS
Git | C++ | Python | Verilog | Java | C# | Javascript | Powershell | HTML

ACTIVITIES
Aggie Coding Club   Feb 2020 – Present
- Developed new programming skills doing 2 team projects and attending workshops

TAMUhack   Jan 2020 – Present
- Won best mentor and helped over 50 teams solve technical problems in 24 hours

Christian Engineering Leaders   Sep 2019 – Present
- Led team of 15 planning and executing career development events with industry professionals

AWARDS and HONORS
Engineering Honors | President's Endowed Scholar | Dean's List