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
GPA: 4.0

EXPERIENCE

Undergraduate Research Scholars Program, Texas A&M University
Researcher   Aug 2022 – Present
- Implementing Markov Clustering algorithm using the graphBLAS linear algebra library
- Contributing to the LAGraph project with Dr. Timothy Davis: github.com/GraphBLAS/LAGraph

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

SEC Directed Internship Program, Texas A&M University
Development Intern   Jun 2021 – Aug 2021
- Led team of 4 engineers using unsupervised deep learning for online apparel shopping technologies

PROJECTS

Aggie Ambassadors Member Tracking App
Team Project (Ruby on Rails)   Nov 2021 – Dec 2021
- Lead developer on a 5-person team developing a member tracking web app for a university club
- github.com/claytonkristiansen/AggieAmbassadorsApp

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

Agile | Software Design | Test & Verification | Git | C++ | Python | Verilog | Java | C# | Linux | Powershell

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

HONORS and AWARDS

Engineering Honors | President's Endowed Scholar | Dean's List | Best Beginner Hack TAMUhack 2022