

CLAYTON KRISTIANSEN

(425) 623-0629
clayton.kristiansen@hotmail.com
github.com/claytonkristiansen

15216 286th Ave NE
Duvall, WA 98019
www.linkedin.com/in/claytonkristiansen

EDUCATION

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

May 2023

EXPERIENCE

Texas Instruments, Federal Way, WA
Digital Design Engineering Intern

Jun 2022 – Present

- Developed an HDL UVM environment to verify the digital design of a cutting-edge clock chip

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

CyberCypher Android App

Team Project (Java)

Aug 2020 – Oct 2020

- Managed a three-person team creating a messaging app with end-to-end encryption
- github.com/claytonkristiansen/CyberCypher

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