CLAYTON KRISTIANSEN

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EXPERIENCE

Software Engineer II, Texas Instruments
Dallas, TX   Feb 2025 – Present
- Leading multiple custom projects for large enterprise clients.
- Integrating ECC (elliptic curve cryptography) into battery gauge ICs.
- Mentoring new employees on important technical concepts.

Software Engineer, Texas Instruments
Dallas, TX   May 2023 – Feb 2025
- Implemented custom firmware in C and Assembly for Battery Gauges Products.
- Developed unit tests in Python using an ARM simulator.
- Initiated and designed the team's first Continuous Integration process using Jenkins and Bitbucket.

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

TECHNICAL SKILLS

C | C++ | Python | Cryptography | Imbedded Software | CI/CD | Git | Agile | Linux | Powershell

EDUCATION

Texas A&M University, College Station, Texas   Aug 2019 – May 2023
Bachelor of Science in Computer Engineering
GPA: 4.0

PROJECTS

One Stop Interview Prep
Team Project (JavaScript, Python)   Aug 2022 – May 2023
- Led team to develop a website where users can answer interview questions and get AI powered feedback.
- github.com/CapstoneSpring2023/OneStopInterviewPrep

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

ACTIVITIES

Aggie Coding Club   Feb 2020 – May 2023
- Developed new programming skills doing 2 team projects and attending workshops.

TAMUhack   Jan 2020 – May 2023
- Won best mentor and helped over 50 teams solve technical problems in 24 hours.

Christian Engineering Leaders   Sep 2019 – May 2023
- 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