Cason Love

Contact Information	Permanent Address: 5440 CR 256 Stephenville, TX 76401	*Phone:* (254) 485-1062 casonrlove@gmail.com https://casonrlove.github.io/

Interests Computer architecture and systems, parallel computing, and machine learning.

Education

Texas A&M University, College Station, Texas USA
M.S., Electrical and Computer Engineering, *December 2024
- Area of Study: Computer Architecture and Systems.

Texas A&M University, College Station, Texas USA
B.S., Electrical Engineering, December 2023
- GPA: 3.94/4.

Experience

Texas Instruments, Dallas, Texas USA
Digital Design Engineer Internship   **Summer 2024**

Texas Instruments, Dallas, Texas USA
Digital Design Engineer Internship   **Summer 2023**
Power Group:
- Developed a software implementation of security programs for optimized for off-the-shelf processors, facilitating a comparative analysis with custom IP processors in terms of size and processing cycles.
- Ported Perl scripts to Python for the verification of IP functionality.

GKB Cattle, Madisonville, Texas USA
Farm Hand   **During Semester, Fall 2021 - Present**
- Perform routine maintenance and repairs on equipment and infrastructure to ensure operational efficiency.

Undergrad Research, Texas A&M University
Advisor: Dr. Paul Gratz   **Fall 2023**
- Conducted a literature review on current prefetching methodologies for GPUs and their implications on warp scheduling.
- Simulated various workflows on GPGPU-Sim to learn performance modeling on GPUs.

Skills

- Passionate Learner
- Strong Work Ethic
- Strong Personal Skills
- Performance Modeling
- Computer Architecture
- Embedded Systems
- C/C++/Java
- Python/Perl
- SystemVerilog