

Thomas Stewart

Computer Science Internship

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Personal Portfolio: www.thomasstewartpersonal.com

Education

Colorado State University - GPA 3.714

Anticipated Graduation: December 2025

Bachelor of Natural Science in Computer Science, Concentration in Machine Learning & AI

- **Honors** | Dean's List Fall 2021, Spring 2021, Fall 2022
- **Recognition & Organizations** | RamHack, 3rd Place in Colorado JLEA Speech Contest 2021
- **Relevant Coursework** | Software Development, Machine Learning, Statistics, Modern Cybersecurity, Calculus, Linear Algebra, Data Structures, Databases, Computing Systems, Software Testing, Algorithms

General, Software, and Coding Skills

C++, Java, Python, JavaScript, React, HTML, bash, PyTorch, Weka, GitHub, ZenHub, CodeClimate, VSCode, Windows, Linux, MacOS, Microsoft Office Suite.

Real World experience and success conducting teamwork using Agile Software Development techniques.

Experience

Lead Undergraduate Teacher's Assistant, CS 150b - Culture and Coding

Aug 2023 - Present

- Orchestrate a 30-member UTA team, overseeing meetings, grading policies, and course development.
- Develop programming assignments and tests in python relating to topics such as CSV, Pandas, and recursion.
- Devise streamlined communication protocols for seamless transitional periods.

Undergraduate Teacher's Assistant, CS 150b-Culture and Coding

Aug 2022 - May 2023

- Facilitated and led labs and exams for students, ensure a safe and inclusive learning environment.
- Aided students struggling on the assigned programs to develop basic code reading and writing skills.
- Assisted in the development of python labs, practice questions, and quiz questions.

Network Contracting, National Neurology

May 2023 - Aug 2023

- Engineered VM servers, fortifying network infrastructure with secure remote access through VPN.
- Ensured high network speeds by optimizing networked data solutions, enhancing preservation as well.
- Assisted in usage and migration to new artificial intelligence tools to improve workplace efficiency.

IT Intern, Lavner Education

May 2022 - Aug 2022

- Spearheaded the teaching of young adults relating to python, cultivating an engaging learning environment.
- Demonstrated effective leadership by collaborating with team members to organize and execute events.
- Developed python code to introduce students to some of the more complex beginning concepts.

Projects

Automatic Drink Dispensing Table

May 2023 - Present

- Crafted an intuitive table with button and Alexa controls for an enhanced user experience.
- Engineered seamless WIFI connectivity for efficient drink dispensing within the table.
- Integrated precise mechanisms, including linear actuators, peristaltic pumps, servo motors, and Arduino.
- Programmed in C++ to skillfully orchestrate the entire drink dispensing process, from lowering to resurfacing.

Recipe Website

Oct 2023 - Present

- Developing a user-friendly website for quick and easy recipe suggestions.
- Input ingredients, appliances, and tools to generate on-the-spot recipes.
- Client-side code crafted with JavaScript and React for a dynamic interface.
- Server-side functionality implemented using Java and SQL for efficient database searches.

Extracurriculars

Undergraduate Representative for Computer Science Curriculum Committee

Sep 2023 - Present

- Spearheading budgetary decisions through active contributions in meetings.
- Steering the academic direction of the computer science department by playing a role in curriculum-altering meetings.
- Gave input on current curriculum, issues I faced as I progressed, and worries I have for future coursework.

Computer Science Peer Mentor

Aug 2022 - Present

- Worked with starting computer science students to assist in the navigation of college for the first time.
- Assisted students with homework, finding interesting clubs, and introducing them to others in the department.