


Jackson Collins

Student majoring in Computer Science at the University of Texas at San Antonio with a passion for low-level systems, robotics, and creative computing.

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EDUCATION

B.S. in Computer Science

UTSA College of Sciences

2024 - Ongoing

Courses

- Object Oriented Programming
- Data Structures
- Programming in C
- Discrete Math

Cyber Security Minor

UTSA College of Business

2024 - Ongoing

Courses

- Networking

WORK EXPERIENCE

Internship

Institute for Computing in Research 

07/2024 - 08/2024

A consortium of researchers, students, and teachers who work on pedagogical aspects of using advanced computing methods for research and scholarship.

Achievements/Tasks

- Transitioned BlackLight library from TensorFlow to PyTorch, modernizing it to allow for future development.
- Engineered a clean, documented codebase, streamlining onboarding for future collaborators.

Officer: Technical Representative

UTSA IEEE RAS 

01/2025 - Ongoing

Achievements/Tasks

- Manage and maintain the RAS website
- Provide technical guidance and approval for proposed workshops
- Technical consulting


SKILLS

GitJavaJavascriptTypescriptC/C++Go

PythonTypstOdinRust

PROJECTS

Desmos 3D (07/2024)

This project converts STL files into a series of equations that can then be pasted into Desmos 3D  to render a 3D model.

Taught me how STL files are structured and allowed me to experiment with Desmos 3D, which was new at the time.

Mochi Cam (05/2025 - Active)

A general purpose home internet camera system (WIP) utilizing multiple technologies including Go, Python, and NATS.

LANGUAGES

English (native)

German (A1)

INTERESTS

ResearchRoboticsLow LevelComputer Vision

Data Science