

Evan Goodman

University of Tennessee, Knoxville | Applied Artificial Intelligence (B.S., Class of 2026)
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Education

University of Tennessee, Knoxville

Bachelor of Science, Applied Artificial Intelligence

(Expected 2026)

- Focus: Machine Learning, Data, Computer Vision, and Ethics
- GPA: 3.5

Dyersburg State Community College

College of Arts and Sciences

May 2023

- GPA: 3.88

University of Tennessee, Martin

May 2021

- GPA: 4.0

Ripley High School, Ripley, TN

May 2021

- GPA: 3.8

Research Interests

- Quantum Mechanics
- Quantum computing and AI (Simulation)
- Computer vision for robotics
- Application of quantum computing and AI for Medicine

Research and Projects

Project Mira – Forklift Safety System (YOLO – Based)

- Designed AI program that utilizes 1-4 CSI cameras, forklift, CUDA device, and GPIO controller
- Python-based pipeline that integrated many libraries, CUDA acceleration, and GPIO header
- Project inspired by Tesla's FSD

PeopleNET – DeepStream

- A Version of the forklift safety program but using NVIDIA's DeepStream
- PeopleNET is a compiled library like YOLO
- CUDA-based (Pi5 with workaround), integrates on board GPIO and CSI ports

Project ZERO – AR/VR/MR Artificial Intelligence Glasses (In Progress)

- Wearable AI glasses running off Raspberry Pi 5 (8 GB), CSI cameras, LCD screens (fresnel or pancake lens), and assistant integration
- Real time overlays, hand tracking for mixed reality, and AI assistance for visualization
- Repo consists of current concepts and future proofing and planned pipeline

UT-2048 Game

- Custom version of the game 2048 with a UT theme (PyGame)
- Integration of CV

What is Quantum AI (Theoretical Repository)

- Comprehensive repo containing self-research over quantum mechanics and quantum computing for AI
- Include keywords, key terms, recent breakthroughs, reputable cites, applied scenarios, and simulations

Experience

Marvin Windows and Doors – Manufacturing Engineering Intern (May 2024 – Aug 2024)

- Led Kaizen project to improve workflow efficiency using CAD program
- Designed paint applicator attachment for silicone glazer to prevent field defects using CAD and CAM and slicers. (Potential savings 1M+)
- Developed AI forklift program plant wide

Marvin Windows and Doors – Manufacturing Engineering Intern (Dec 2024 – Jan 2026)

- Designed new DIE plate for metal up-cut saw using AutoCAD program
- Gained hands on experience in research and design (R&D)
- Learned and wrote Standard Work Procedures (SWPs) for CNCs

College Assistant – STEM

- College Assistant for College for Kids in STEM department at Dyersburg State Community College
- Assisted and helped teach a variety of STEM programs and applications

UT Rodeo – President and Founder

- Founded UT Rodeo a club at the University of Tennessee, Knoxville

- As president I lead over 120 students on how to be successful in the field
- Learned people and collaborating skills

Technical Skills

- Programming – Python, PyTorch, OpenCV, Ultralytics YOLO, PyGame, and Java
- Tools – GitHub, Linux (and distros), Mac, Windows, Jupyter, VS Code, Unreal Engine, LM Studio, Ollama, JEN, Nodejs, PyCharm, AutoDesk, and Powershell
- Hardware – Raspberry Pi, embedded systems, PLCs, CNCs, and Flipper

Honors and Achievements

- Randy and Jenny Boyd Scholarship
- DSCC – Dean’s List, Magna Cum Laude, and Outstanding Academics (2 years)
- RHS – Distinction, Magna Cum Laude, Excellent Honor Roll
- UTM – Outstanding Academics and Summa Cum Laude
- UTK – Dean’s List

Interests

Medical Advancements, Artificial Intelligence, Deep AI, Quantum AI, Data Structure, Technology Advancements, Interactive Technology, Innovation, Physics, Science, Orthopedic, and Quantum Mechanics