Spencer Banasik

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Motivated student working towards a M.Sc in Computer Science at Texas A&M University, with a specialization in Computer Architecture and Machine Learning. Looking to apply knowledge and programming skills towards developing new improvements for RISC-V processors.

EDUCATION

Texas A&M University, College Station, TX   May, 2025
Master of Science (MS) in Computer Science   GPA: 3.25
Thesis: Characterizing the Memory Access of an LLM on a CPU

University of Texas at Dallas, Dallas, TX   May, 2023
Bachelor's of Science (BS) in Computer Engineering

Lone Star College - University Park, Spring, TX   December, 2020
Associate of Science (AS)

EXPERIENCE

CWC Global, College Station, TX   May, 2024 – September, 2024
AI Associate
- Designed AI agents, such as a call auditor and a process reference guide, to automate human tasks for clients, wrote python scripts to make API calls
- Collected, organized, and analyzed output from agent to determine improvements to prompting

Oncor Electric Delivery LLC, Dallas, TX   June, 2022 – August, 2022
Revenue Management Intern
- Handled alerts in customer database, provided outside perspective to process documents, shadowed different groups within revenue management
- Presented how my group fit into the Texas Electric Market to upper management, middle management, and other interns

PROJECTS & LEADERSHIP

Graphics Engine   December, 2024 – Present
- Detail oriented project utilizing Vulkan directly interact with the graphics card, while implementing good programming practices such as RAII via abstractions of library concepts.

Boy Scouts of America, Spring, TX   June, 2019 – August 2019
- Initiated an Eagle Scout project to construct benches in multiple locations at a park, managing a volunteer crew and producing a detailed workbook.
- Project recognized as the Iron Horse District Eagle Scout Service Project of the Year for efforts.

SKILLS

Technical Skills
- Languages: Proficient in C++; Experienced in Python and Java
- Frameworks & Tools: Git/Github, PyTorch, TensorFlow, Office Suite, CMake, gRPC, Verilog
- Specializations: Computer Architecture, Machine Learning, Distributed Systems, Operating Systems

Soft Skills
- Problem-Solving: Developed efficient solutions to problems in personal and school projects
- Collaboration: Communicated responsibilities and shared knowledge in group projects
- Project Management: Proficient in planning and leading projects such as my Eagle Scout Project
- Adaptability: Able to quickly learn new systems and adapt my skill set towards a new workload