



DOMINIC GALGANO

Software Engineer

CONTACT ME

Please feel free to use the **Contact Me** page to send me an e-mail! I will try to get back to you as soon as I can (usually under 48 hours).

EDUCATION

Bachelor of Computer Science
University of Colorado Boulder
2024

International Baccalaureate Diploma
Lakewood Highschool
2020

TOOLS & SKILLS

Linux, MacOS, Windows

LLMs, HPC, K8s, Docker

OpenSSH, NMap, Wireshark

PostgreSQL, MongoDB

LANGUAGES

Python, Bash

C, C++, Java

HTML, CSS, JavaScript

ABOUT ME

Raised in Colorado, I have watched as various tech industries have boomed throughout the state, bringing more people and ideas. I have found High Performance Computing and Large Language Models very interesting due to the extreme capabilities of these machines and the models they power. I feel they have some of the greatest potential for improving the work place and communities.

EXPERIENCE

May 2024- July 2024 NREL | 15013 Denver W Pkwy, Golden, CO 80401

LLM Research Assistant

At the National renewable Energy Laboratory I helped develop a system to improve off-the-self LLM responses, primarily LLama3, using various different "expert" AI agents to work together to form a more robust response for issues utility companies may face. I learned about LLM architectures, tokenizers, and prompt engineering, while also gaining experience with Docker and HPC.

September 2023 - April 2024 FESTO Senior Project Team Member

Working with fellow CU Boulder students and the FESTO team, we developed a Physically Unclonable Function (PUF) for FESTO's PLC devices and attached it to a digital blockchain contract using Solidity. I primarily focused on developing the PUF which relied on pulling unique values from memory upon device start up. My time with FESTO and my team helped me better develop my time management and communication skills, as the project covered in depth planning, building, and testing phases over several months.

June 2023 - July 2023 Commercial Fishing | Bristol Bay, Alaska

Crewmate

I worked a seasonal position on a commercial fishing boat catching Sockeye salmon. My time here taught me a lot about the industry, and I gained a stronger work ethic on the boat.

REFERENCES

Rishabh Jain

NREL / PSEC Researcher