

Lennox Nutall

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SUMMARY OF QUALIFICATIONS

- **Programming Languages:** Java, C#, C++, Python, HTML, CSS, SQL
- **Software Tools:** Linux, LeetCode, Visual Studio Code, Github, Postman, Unity Game Engine, Blender
- **Soft Skills:** Public Speaking, Communication, Leadership, Team Building, Flexibility

EDUCATION

Bachelor of Sciences in **Computer Science** / Minor in **Spanish** **In-Progress (May 2026)**
Colorado State University, Fort Collins, Colorado

PROJECTS

Duty Walkers - Videogame *My favorite* **August 2025 - Present**

- Developing a zombie videogame using Unity game engine and Blender
- Gained hands-on experience in developing digital media content and utilizing relevant software tools

Colorado State University Hackathon **March 2025**

- Collaborated in a team to develop an AI model for mapping uncharted roads using high-resolution LiDAR imagery, including digital terrain models and hillshade data.
- Processed geospatial data to enhance road network accuracy for Forest Service and adjacent lands.
- Applied machine learning techniques to improve road detection, supporting applications in forest management, wildfire suppression, transportation, and recreation.
- Presented algorithm to a panel of judges from NASA, Amazon, and the USDA, demonstrating technical proficiency in AI-driven geospatial analysis.

CS-314 Software Engineering **January 2025 - May 2025**

- Wrote clean code, automated tests to enhance a mobile single-page web application with RESTful API services.
- Agile Software Engineering processes/tools to manage, build, integrate, test, deploy, and review a large, complex software system.
- Scrum-based development process while completing a semester-long web development project to prepare them for work in industry, research, or open-source teams.
- Integrated DevOps environment that includes a CI/CD pipeline.
- Utilized Postman to create and execute API benchmarking tests, analyzing response times, status codes, and payload efficiency to identify performance bottlenecks and ensure compliance with service-level objectives.

Plant Life-Line(Raspberry Pi) **May 2025**

- Created a program monitoring soil moisture and automatically recommends plant watering schedules and amounts.

WORK EXPERIENCE

Resident Assistant – *Colorado State University (Edwards Hall) – Fort Collins, CO* **July 2024 - Present**

- Managing relations and resolving conflicts with diverse residents enabled growth in interpersonal skills
- Holding a leadership role responsible for the health, safety, and well-being of residential students, addressing their concerns and providing guidance.
- Facilitated community-building events and acted as a resource for conflict resolution.

Water Well Technician's Assistant – *C & J Well Drilling – Indianapolis, IN* **Summers' 2023 & 2024**

- Assisted in building and installing water well pumps to source water for residential housing.
- Trained in trenching, pipe-laying, and wiring to connect wells to homes efficiently.
- Installed and maintained wiring and water tanks within crawlspaces.
- Conducted routine maintenance on company vehicles to ensure operational readiness.