

# Christopher Pugliese

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## EDUCATION

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**Metropolitan State University Denver, Denver, CO**

**Graduation May, 2025**

*Bachelor of Computer Science*

## SKILLS

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Python, Java, C, HTML, CSS, JavaScript, flask, SQLAlchemy, MongoDB, MySQL, PostgreSQL, Docker, Django, TensorFlow, Tableau, Jupyter, Microsoft Office Tools, PC, Mac, Ableton, Google Colab

## WORK EXPERIENCE

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**United States Air Force**

**Aug. 2015 – 2021**

*Instructor Aircraft Loadmaster*

*Little Rock, AR*

- Certified C-130J Instructor Loadmaster, responsible for training and evaluating new and current loadmasters. Providing structured instruction improved student loadmaster readiness for operational standards.
- Skilled in flight safety, weight and balance calculations, and mission planning to ensure successful and safe airdrop execution.
- Adept at working in high-stress, time-sensitive scenarios with a strong focus on precision, safety, and efficiency.
- Performed mission planning, weight and balance calculations, and cargo restraint in compliance with FAA, DoD, and USAF regulations.
- Enforced strict adherence to flight safety, operational risk management (ORM), and aviation regulations leading to a 10% decrease in student loadmaster operation mishaps.
- Led multi-national training exercises and operational deployments, supporting joint and coalition forces.
- 1200 total flying hours on the C-130J.
- Served as an on-the-job training (OJT) mentor for junior airmen, providing guidance on airdrop procedures, aircraft systems, and mission execution.

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## Project Experience

**Aug. 2024 – Jan. 2025**

SampleShare - Web App for Music Producers

*Student Developer | Metropolitan State University of Denver*

[github.com/SampleShare/SampleShare](https://github.com/SampleShare/SampleShare)

- Developed a full-stack web application for music producers to upload, share, and collaborate on audio samples
- Designed and implemented user authentication, file upload functionality, and sample collection features using **Django, MySQL/PostgreSQL, and Bootstrap.**
- Built and integrated a **UserProfile** model extending Django's default user system to allow for personalized content and sample management.
- Managed database schema with Dockerized PostgreSQL and implemented views using Django class-based views and templates
- Collaborated in an Agile team of 5; Coordination version control with Git and GitHub, and contributed to code reviews and feature planning.
- Focused on usability, secure file handling, and scalable architecture for long-term community growth.

❖ **References:** *Available upon request*