Mitchell Andrade

hello@mitchellandrade.com | Denver, CO (Open to all U.S. locations)

EDUCATION

University of Colorado Boulder | Jan 2024 - 2027(anticipated)
Bachelor of Science in Computer Science (Post-Baccalaureate)

University of Northern Colorado | Graduated Jul 2023
Bachelor of Science in Business Administration, Finance

TECHNICAL SKILLS

- **Languages:** Python, C++, Java, Swift, Scala, SQL
- **Infrastructure & Cloud:** AWS, Docker, Kubernetes, Terraform
- **Data & Machine Learning:** PostgreSQL, MySQL, Supabase, PyTorch, TensorFlow ● **Certifications (In Progress):** AWS Solutions Architect Associate, AWS Machine Learning Engineer Associate, Generative AI Engineer AWS

ENGINEERING PROJECTS

LockedIn (Edge-AI Sports Analytics) | Mar 2026 - Oct 2026

- Engineered a multi-platform app and portable edge-AI hardware companion to automate basketball tracking.
  - Configured an NVIDIA Jetson Orin Nano with dual IMX477 camera modules and a Raspberry Pi 5 AMOLED interface for local computer vision processing, bypassing cloud latency.

AI Agent Dispatch Prototype | Sep 2026

- Developed and tested a live agentic dispatch and triage system utilizing Python, FastAPI, WebSockets, and the OpenAI API with human-in-the-loop workflows.

Match Play (Web Application) | Sep 2026 - Oct 2026

- Built a social golf compatibility web app for CSPB 3308 using React, HTML/CSS, a Python/Flask REST API, Leaflet maps, and PostgreSQL.

Real Estate Analytics Dashboard | Mar 2026

- Designed a PostgreSQL data warehouse and an interactive Streamlit dashboard utilizing Python to

analyze Colorado real estate market data.

PROFESSIONAL EXPERIENCE

Logistics & Distribution Professional | Lanter, Fort Worth, TX | 2025 - Feb 2026

- Streamlined distribution workflows, reducing operational downtime and improving facility safety standards.

Independent Systems Engineer | 2024 - Present

- Architected data ingestion pipelines utilizing PostgreSQL and Streamlit to monitor real-time market metrics.
- Engineered automated quantitative backtesting engines utilizing C++ and Python, focusing on logic optimization and high-reliability execution.

Software Developer (Contract) | NebulasApps, LLC, Denver, CO | 2019 - 2022

- Engineered automated systems and data pipelines, utilizing object-oriented programming principles and robust data structures.
- Developed iOS apps using Swift, SwiftUI, and UIKit (MVC & MVVM). Integrated Firebase, CoreData, MapKit, in-app purchases, and local notifications.

Portfolio Manager | SAFF, Greeley, CO | 2019 - 2020

- Led asset management initiatives for a $3M portfolio, executing buy/sell orders and analyzing financial metrics to align with organizational guidelines.