

Caleb Woldemedhine

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EDUCATION

University of Denver, Denver, CO

June 2027

Bachelor of Science, Computer Science (AI & ML Concentration)

Minor: Mathematics and Business Analytics

GPA: 3.67

Relevant Coursework: Data Structures & Algorithms I & II, Database Management, Object-Oriented Software Development, Systems I, Topics in Artificial Intelligence (LLMs), Data Management & Analysis, Business Statistics, Calculus I–III, Discrete Structures, Linear Algebra

TECHNICAL SKILLS

Programming / Tech: Python, Java, C, C++, C#, R, HTML, CSS, TypeScript, JavaScript, R, SQL, NoSQL, MATLAB, NumPy,

Data & Engineering: Data Cleansing & Validation, Database Design & Integration, Time-Series Forecasting, NLP, System Integration, Sustainment Life Cycle, Power Bi

AI / ML: Generative AI, NLP, Machine Learning, Time-Series Forecasting, Deep Learning, Classification, Data Visualization, APIs

EXPERIENCE

Tempus Automation, Littleton, CO

Jun 2025 – Aug 2025

Software Engineering Intern

- Trained an AI model for deck design using a custom-built database of tools and materials.
- Designed and implemented the database infrastructure to support training and updates.
- Built a web interface integrating the AI model and database for real-time use.

Denver Center for African Art, Denver, CO

Jun 2024 – Sept 2024

Web Developer

- Built a responsive website using HTML, CSS, and JavaScript with clear, accessible layouts.
- Integrated a secure Stripe payment system to accept and track online donations.

Michael Auto Sales, Denver, CO

Sept 2022 – Jan 2024

IT & Data Assistant

- Analyzed monthly profit and expense data using Excel and Python.
- Managed inventory in Dealer Cloud using SQL and updated website content and design.

PROJECTS

Stock Prediction and Analysis Tool, Denver, CO

Dec 2024 – Feb 2025

- Developed a Streamlit app combining Prophet, Random Forest, and scikit-learn models with TextBlob sentiment analysis and pandas-ta indicators for financial market forecasting.

DuDraw AI Coder, Denver, CO

May 2025 – Jun 2025

- Built an AI tool that turns user prompts into interactive games, drawings, and visualizations using DuDraw and large language models.

NYC COVID-19 Spread Simulation, Denver, CO

Jul 2025 – Aug 2025

- Created an interactive COVID-19 spread simulation with adjustable controls such as lockdowns, patient zero, speed and real-time epidemic curve visualization.

LEADERSHIP EXPERIENCE

National Society Of Black Engineers, University of Denver, CO

Jun 2025 – Present

President

- Oversee the executive board, plan career fairs, lead workshops, and secure funding through partnerships.

African Students United, University of Denver, CO

Sep 2024 – Present

Communications Chair

- Lead communications, manage social media, and create promotional materials and coordinate with organizations, handle logistics, and ensure consistent messaging.