

# Caleb Woldemedhine

Denver, Colorado • 📞 720-410-4647 • ✉️ caleb.woldemedhine1@gmail.com • 🔗 LinkedIn

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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: 3.66

**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, SQL, NoSQL, LaTeX

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

**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.