

Marco Cassar

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PROFILE SUMMARY

*Belmont University student double majoring in Data Science and Business Systems & Analytics. Developer and contractor with a growing focus on **research**. Strong background in **Python** and JavaScript, with experience across backend systems on **AWS**, **Unity** development, **LangGraph** workflows, **React**, and large-scale **web scraping**. Currently exploring **deep learning** and **reinforcement learning**, with hands-on experience in **flow-based generative models**.*

EDUCATION

Belmont University - B.S.

Double Major in Data Science and Business Systems and Analytics.

GPA: 4.0/4.0 (Major GPA: 4.0/4.0)

Nashville, TN

Expected May 2026

Graduation: May 2026

RELEVANT PROFESSIONAL EXPERIENCE

Data Inspire

Data Analyst / Consultant

- ❖ Contracted on projects ranging from web scraping to agentic automations, including migration work for Second Harvest that eliminated over 10,000 hours of manual work.

Nashville, TN

Oct 2024 – Present

VITL

Lead Developer

- ❖ Developed a scalable AWS serverless architecture for high-volume medical order processing, including 150+ API endpoints, Lambda-EventBridge-StepFunction pipelines, and secure authentication and authorization via Cognito and database-level controls.

Nashville, TN

April 2025 – Aug 2025

LBMC

Data Engineer

- ❖ Worked with a migration project by automating data validation and migration tasks using Python, enabling the successful migration of 80 unique medical offices to a new platform.

Nashville, TN

Oct 2024 – Dec 2024

Ardent Health

Power BI and Documentation

- ❖ Earning my stripes, I learned to work with the scale of large organizations, meeting with teams across the company to map how their data life cycle, creating documentation, diagrams, and visualizations to improve HR efficiency.

Nashville, TN

Dec 2024 – May 2025

PORTFOLIO

Knit To Knit LLC

- ❖ Startup company to create solutions for knitters to build, design, and sell patterns while retaining their own intellectual property in a website interface. Won \$2500 in the **Buntin Pitch Competition April 2025**.

Nashville, TN

Nov 2024

(currently on hold)

Website Portfolio - <https://marcocassar.info/>

RELEVANT ACADEMIC COURSEWORK

- ❖ Big Data Analytics
- ❖ Statistical Modeling and Computation
- ❖ Database Systems and Analytics
- ❖ Linear Algebra (in progress)
- ❖ Deep Learning and AI Ethics
- ❖ Astrophysics Modeling and Data Analysis
- ❖ Bayesian Statistics
- ❖ Calculous III (in progress)

SKILLS

Highly Proficient: Python, C#, JavaScript, Java, Unity, AWS, Git, React, n8n, uv, Plotly, SQL, html, Web-scraping, bash, Docker

Moderate Experience: Spark, R, Django, Flask, Latex, Swift

Soft Skills: Problem-Solving, Collaboration, Leadership, Communication, Adaptability

Platforms: PowerBI, Excel, Slack, Discord, Canva

REFERENCES

Dr. Charlie Apigian

Data and AI Strategist, **Email:** charlie@datainspire.io

Dr. Christina Davis

Director of Data Science & Professor of Mathematics, **Email:** christina.davis@belmont.edu

Dr. Scott Hawley

Professor of Physics, **Email:** scott.hawley@belmont.edu