

Jenny Morgan

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morgan | [Github: jennymorganryan](#)

EDUCATION

Northeastern University

Expected Dec. 2027

Master of Science in Computer Science

Texas State University

Dec. 2020

Bachelor of Science in Psychology and minor in Geography

Honors: Magna Cum Laude, Service Learning Honors

EXPERIENCE

Solrei

Jan 2022 – March 2024

Founder & Owner

- Built and scaled an Amazon and Shopify e-commerce brand, achieving \$4,000+ in consistent monthly revenue within 18 months through supplier negotiations, data driven inventory decisions, and operational automation
- Analyzed sales and customer trends to optimize pricing, supply chain timing, and product positioning
- Managed international supplier relationships and resolved logistics challenges across time zones

SKILLS & TECHNOLOGIES

- **Programming Languages:** JavaScript, Python, C, Java, CSS, HTML, SQL, R
- **Others:** Pandas, Git, Render, Flask, Folium, Arcgis, OpenCV, IntelliJ, Visual Studio Code, Object Oriented Design, MySQL, RStudio, APIs, Debugging
- **Speaking Languages:** English & Spanish
- **Coursework:** Discrete Structures, Intensive Foundations of Computer Science, Object Oriented Design, Data Structures, Algorithms and Applications in Computer Sciences, Database Management, Essentials of Data Science, Algorithms

PROJECTS

Crime Data Visualization Choropleth Map | Github

- Engineered an accessible and interactive choropleth map for non-technical users displaying 400+ district-level crime data points in Costa Rica, using official government large scale datasets
- Automated geospatial joins with GeoJSON polygons and Pandas pipelines, enabling dynamic visualization and filtering for end users.
- Deployed on Railway.ai with a responsive UI, demonstrating full-stack development and data engineering skills.

Personal Website | Github

- Built an interactive and responsive website using Javascript, HTML and CSS showcasing my projects and my work, with mobile and full screen versions available
- Deployed the website on GitHub Pages, ensuring seamless access and consistent availability for employers and collaborators
- Leveraged modern web design techniques and integrated external libraries such as jQuery, and Font Awesome

Ski Resort Ride Data Analysis System | Github

- Built a scalable Java based processing system ingesting RFID lift scan data to generate daily usage analytics
- Designed modular data pipelines with command line argument handling to ensure reproducibility across datasets