

# 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