Cheyenne Erickson

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EDUCATION

Virginia Tech, B.S Computational Modeling and Data Analytics, Minor in Statistics *Blacksburg, VA*
College of Science / Academy of Data Science **August 2023 - May 2027**

- GPA: 3.55
- In-Major GPA: 3.75

WORK EXPERIENCE

Barista and Food & Beverage Expert **September 2022 - Present**
Gainesville VA

- Works efficiently in **high-volume, time sensitive environment**, balancing accuracy and speed under pressure.
- Communicates clearly with customers and teammates to **identify needs, explain options, and resolve issues.**
- Coordinates closing tasks by **prioritizing work, delegating responsibilities, and meeting strict deadlines.**
- Demonstrates **time management and adaptability** by supporting multiple departments based on staffing and operational demands.

Target Co. / Starbucks

PERSONAL PROJECTS & RELEVANT COURSE WORK

Alpine Butterfly Population Analysis – GitHub Repo

- Statistical analysis and predictive modeling of alpine butterfly populations using long-term weather and population time-series data. This project applies regression, time-series, and GLM methods to identify key weather drivers and evaluate out-of-sample predictive performance.

CMDA 3654 Group Project – GitHub Repo

- Identified key predictors of state-level SAT performance using exploratory analysis and regression methods
- Visualized similarities between U.S. states based on education and SAT metrics
- Applied K-Means clustering techniques and compared data-driven groupings to U.S. Census geographic regions

2025 Code Fest – Dining Based Personalized Travel Application – GitHub Repo.
Marriott & Pamplin college of Business

- Data driven solution implemented with a team to create a UI. My contributions are as follows:
  - Collected data using an API key and geocoded location data to connect hotels to restaurants.
  - Designed a system to score restaurants based on user preference and mathematical modeling reflecting human behavior.

Dynamical Systems Coursework – GitHub Repo

- Stability and steady-state analysis
- Linear and nonlinear difference equations
- Eigenvalues, eigenvectors, and long-run behavior

Applications: Population models, SIR models, PageRank algorithms, and Mechanical systems

Coding Projects (more available on GitHub Portfolio)

- **Spotify Playlist Generator:** Java data structures coursework project simulating Spotify Daily Mix–style playlist creation using queue-based processing, genre constraints, file parsing, and unit testing. – GitHub Repo
- **Influencer Analytics Dashboard:** Java group coursework project analyzing social media influencer performance using custom linked lists, engagement metrics (traditional and reach), comparator-based sorting, CSV input, and reproducible console output. – GitHub Repo

Skills: Project management; Data analysis; RStudio; VS code; Java; Python; Mathematical Tools (MATLAB); version control

To learn more about me as a person, be sure to visit my GitHub Portfolio About Me section