

Cheyenne Erickson

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EDUCATION

Virginia Tech, B.S Computational Modeling and Data Analytics, Minor in Statistics

College of Science / Academy of Data Science

Blacksburg, VA

August 2023 - May 2027

- GPA: 3.55
- In-Major GPA: 3.75

WORK EXPERIENCE

Barista and Food & Beverage Expert

September 2022 - Present

Gainesville, VA

- POS system experience, ability to multitask in fast-paced environment.
- Handled an average of 250 transactions per shift, ensuring efficiency and customer satisfaction/connection.
- Trained new employees in use of equipment and processes.
- Helpful in other departments as needed, requiring team and time management skills

Target Co.

June 2020 - August 2022

Manassas, VA

Closing Shift Lead

- Trained and supervised **eight** employees, ensuring adherence to food and safety standards and company protocols. Meanwhile supervising an excellent close of shop preparing for the following day.
- Monitored guest satisfaction and responded to customer needs.

Tropical Smoothie Café

PERSONAL PROJECTS & RELEVANT COURSE WORK

ASA Data Fest 2024 – Real Estate & Commercial Analysis

- Exploratory Data Analysis & Modeling

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](#)

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.
 - 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.

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 clustering techniques and compared data-driven groupings to U.S. Census geographic regions

Dynamical Systems Coursework – [GitHub Repo](#)

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

Applications to population models, SIR models, PageRank, and Mechanical systems

Skills: Project management; Data analysis; RStudio; Jupyter; Java; Python; Data Structures & Algorithms; Mathematical Tools

For more about me be sure to visit my [GitHub Portfolio](#)