Aidan Farnum

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Education

- The Pennsylvania State University, Erie – BA in Economics, Minor in Math   May 2014

Projects

Concessions Menu

- Built and deployed a web app on **Render** that lets concession stand staff update digital menus in real time from their phones.
- Built the front end with **HTML, CSS, and JavaScript** for a simple, mobile-friendly interface.
- Developed the backend with **Flask** and **SQLite** to manage menu data and handle user requests.
- Added **WebSocket** support, so updates appear instantly on all displays without reloading.
- Improved speed and accuracy of menu changes during live events.

West Virginia Economy Report

- Worked on a team of 5 to create report on economic conditions in West Virginia counties with the goal of making policy recommendations to West Virginia state government
- Collected WV county-level and US state-level demographic, education, employment, and poverty data
- Cleaned, summarized, visualized, and performed statistical tests on data using **Excel** and **R**
- Presented findings in Word document and PowerPoint presentation

Kaggle House Price Competition

- Conducted exploratory data analysis and feature engineering on Kaggle dataset using **pandas** and **scikit-learn** to prepare for modeling
- Fit models using linear regression, elastic net, and boosted regression
- Used sklearn pipelines and grid search with cross validation to automate data preparation, model building and hyperparameter tuning

Experience

Front End Team Lead, Walmart   Feb 2025 – Present
Erie, PA

- Lead the front end team - anywhere from 1 to roughly 25 associates, ranging in age from 16 to mid-60s
- Teach and train associates, provide feedback, help them develop
- Carry out all opening and closing processes, including checking registers and SCOs in and out, performing cash pickups and advances, preparing cash and check deposits, and opening and closing doors
- Maintain cleanliness and safety of front end, as well as cart availability
- Resolve customer disputes
- Fill in as necessary - run register, push carts, etc.

Consumables Team Lead, Walmart   Jul 2024 – Feb 2025
Erie, PA

- Merchandised product to maximized sales
- Kept track of inventory to maintain consistent availability
- Led a team of seven associates across 11 departments

Concession Supervisor, Waldameer   Jul 2017 – Sep 2024
Erie, PA
- Managed concession stands during record seasons
- Developed improved menu system, allowing for real-time availability updates using WebSocket
- Used historical data to project sales to avoid overproduction of food

Teaching Assistant, Florida State University   Aug 2020 – May 2021
Tallahassee, FL
- Taught sessions, held office hours, and graded assignments for Microeconomics, Macroeconomics, and Econometrics courses
- Developed interactive game theory tutorial website

Research Assistant, Bureau of Business and Economic Research   Aug 2018 – Dec 2019
Morgantown, WV
- Collected, cleaned, and analyzed West Virginia regional economic data
- Created presentations for report on West Virginia economy
- Prepared data for use in analysis of Texas traffic policies