Anna Fenner

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A skilled data analyst with expertise in Python, SQL, data analytics, and machine learning, seeking opportunities to apply skills gained in a data science program. Proven ability to extract insights from complex datasets and implement predictive models, combined with a background in education and business ownership.

Professional Experience

Springboard   **March 2023 – February 2024**
Data Science Trainee
Mastering skills in Python, SQL, data analysis, data visualization, hypothesis testing, and machine learning. Collaborated closely with a 1:1 industry expert to hone skills and applied knowledge to real-world projects.
- Key Project: Predicting West Nile Virus in Chicago
  - Engineered features and constructed a highly accurate machine learning model to predict the presence of West Nile Virus.
  - Implemented XGBoostClassifier with HyperOpt for optimal hyperparameter tuning, achieving a high ROC AUC score. Utilized the SHAP package to extract insights into optimal conditions for mosquito transmission.
- **Key Project: Detecting Breast Cancer Using CNN**
  - Developed a cutting-edge Convolutional Neural Network (CNN) model designed to accurately detect the presence of breast cancer in patients.

Orderlie, LLC, Kirkland, WA   **March 2022 – April 2023**
Co-owner
Established and managed an organizing company, overseeing finances, developed tailored organization systems to clients' lifestyles and budgets. Built and maintained a robust client base through exceptional serve and personalized solutions.
- Initiated a blog to improve Search Engine Optimization (SEO), enhancing online visibility.
- Implemented marking strategies and community engagement, contributing to a 90% client acquisition rate.

Big Bend Community College, Moses Lake, WA   **August 2018- April 2022**
Curriculum Development Specialist & Instructor
Collaborated with several trade programs to develop an innovative and contextualized online math courses for each program that met state requirements. Taught the math courses and an introductory chemistry course.
- Improved student's success rate from 60% to 70%.
- Delivered a presentation of the results to the Washington State Board.

Centralia College, Centralia, WA   **Summer 2017**
Institutional Research Analyst Intern
Worked for the Director of Institutional Research. Designed a linear regression model for upcoming years' enrollment.
- Presented findings to executive board for planning and budgeting for upcoming year.

Education

Springboard Data Science Certificate (February 2024)

Master of Science, Applied Mathematics, GPA 3.7 (Aug 2019)

- **University of Washington, Seattle, WA**
  - Key Course: Computational Methods for Data Analysis & Scientific Computing
  - Key Project: Classification of Higher Visual Areas in the Mouse Visual Cortex.

Bachelor of Science, Biochemistry, Cum Laude GPA 3.714 (May 2013)

- **Azusa Pacific University, Azusa, CA**

Technical Skills

Python | SQL | scikit-learn | Data Visualization | Machine Learning | Data Preparation | Statistical Analysis