Ryan Price

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EDUCATION

University of Texas at Dallas — Richardson, TX
Bachelor of Arts in Computer Science: GPA: 3.9 — *August 2023 – Expected May 2026*

Harvard CS50 — Remote/Virtual
Introduction to Computer Science — *Aug. 2023*

EXPERIENCE

GM Financial — May 2025 - Aug. 2025
Software Development Engineer Intern — *Arlington, TX*
- Designed and implemented an end-to-end automated UI and regression testing framework in C# and Selenium, integrated with MSTest and Azure DevOps pipelines, reducing the manual testing cycle from over a week to less than 24 hours.
- Conducted capacity analysis of legacy DEV and QA server fleets; decommissioned 50% of VMs, which cut the total number of outstanding security vulnerabilities in half without requiring re-imaging.
- Developed a Selenium-driven validation tool that navigated PowerBI report URLs, scraped displayed metrics, and cross-checked them against backend data via Oracle SQL queries, guaranteeing 100% parity between dashboard visuals and source tables.

Dental Depot — Dec. 2023 - Dec. 2024
Data Analysis/Engineering Intern — *Highland Village, TX*
- Implemented streamlined data entry processes using Python, reducing data processing time by 50%.
- Improved marketing focus noticeably, as shown by targeted campaign results, by analyzing booking and relo data across 5 locations.
- Increased data handling efficiency by revamping documentation and storage protocols, resulting in a 30% reduction in data retrieval time.
- Showcased problem-solving abilities and collaboration skills by developing an enhanced data management system, working closely with senior leadership to ensure alignment with business goals.

PROJECTS

Portfolio Website | https://my.portfolio.com | *HTML, CSS, JavaScript*
- Developed a website using HTML, CSS, JavaScript to house my portfolio of projects, as well as build personal brand

Stock Market Price Predictor with LSTM | *Python, Tensorflow, Scikit*
- Improved investment decision-making by developing a stock market price prediction model with high accuracy using LSTM neural networks and historical data from Yahoo Finance.
- Utilized advanced Python libraries such as TensorFlow, Scikit-learn, and Pandas for efficient data processing, model training, and evaluation, showcasing strong proficiency in machine learning.
- Demonstrated technical skills by fetching, preprocessing, and analyzing four years of stock data, automating the data pipeline for continuous model improvement.
- Visualized prediction results through Matplotlib, providing clear insights into historical and predicted stock prices, aiding users in comprehending model outcomes effectively.

Formula 1 Race Outcome Predictor Model | *Python, Scikit, Pandas*
- Achieved over 90% accuracy, as validated by randomized historical data tests, by developing a machine learning model to predict Formula 1 race outcomes.
- Expertise shown in Python and libraries like Pandas and Scikit-Learn for data manipulation, statistical analysis, API utilization, and machine learning model building.
- Enhanced data processing capabilities, as demonstrated by model performance, by implementing Logistic Regression, data imputation, and scaling techniques.

TECHNICAL SKILLS

Languages: Python, Java, C++, C#, JavaScript, HTML, CSS
Developer Tools/Frameworks: AWS, Azure, Docker, Kubernetes, OpenShift, Git, Selenium, MSTest, PowerBI
Certifications: AWS Cloud Practitioner (CLF-C02), Microsoft Azure Fundamentals (AZ-900), Meta Version Control