SABASTIAN HIGHTON

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SKILLS

Excel, SQL, Python, Tableau, Machine Learning, Customer Service, Presentations, Creativity, Time Management

PROJECTS

Tableau Executive Overview
- Cleaned data using Excel, connected the Excel data to Tableau, then created an interactive dashboard with relevant relationships, well-labeled charts, and visually pleasing data visualization techniques.

Data Analysis on mRNA Pairings
- Performed data cleaning and data transformation, then machine learning inference in Python.
- Engineered a sophisticated convolutional neural network algorithm to assess mRNA pairing probabilities from image files, increasing efficiency in analyzing genetic data, accelerating breakthroughs in biotech.
- IEEE SoutheastCon 2024 accepted the white paper and published the research as: Beyond Sequence: A Novel Image-Based Model for MicroRNA Target Prediction.

Live Trading RL Agent
- Cleaned data and performed exploratory data analysis on live market data from a trading API.
- Created a reinforcement learning trading agent to make decisions based on machine learning inference.

Portfolio Website - www.thehighton.com
- Hosting impactful projects integrating data analysis projects written in Python hosted in AWS Cloud and a front-end built with the Next.js framework, increasing working efficiency substantially.

EXPERIENCE

BC Tech Pro (Contract)   Norcross, GA
Computer Field Technician   July 2024-Present
- Certified Dell and Lenovo service provider as an onsite repair technician
- Providing excellent customer service during all points of the customer experience
- Providing timely and accurate hardware replacements including updating BIOS and drivers
- Handling the picking up and returning parts from service

University of North Georgia   Dahlonega, GA
Research Assistant   May 2023 – August 2023
- Generated novel and useful data using Linux virtual machines, Python, JupyterLab, and supercomputers.
- Implemented and compared machine learning models on clean data documenting key metrics in Excel.
- Coordinated and engaged in meetings three times a week with a co-researcher and professor to align on project milestones and contributions, streamlining research processes.
- Enhanced project outcomes and productivity through collaborative team solutions and shared expertise.
- Continued to use skills gained in projects after the position closed.

EDUCATION

University of North Georgia   Dahlonega, GA
BS Computer Science   **GPA: 3.92/4.0**   **December 2023**
Summa Cum Laude