Cody Thayer
Data Analyst | M.S. Data Analytics Candidate

(408) 317.8526 | codythayer@gmail.com | github.com/codythayer | linkedin.com/in/codythayer | References Available Upon Request

Relevant Technical Skills
- Strong proficiency in Google Cloud, BigTable, BigQuery, Dataflow, Amazon Web Services (AWS), DynamoDB, Redshift, Spark, and MySQL.
- Strong proficiency in Python, R, and SQL. Moderate proficiency in Java and C++.
- Strong proficiency in Tableau, PowerBI, R Shiny, Excel, ArcGIS, Matplotlib, ggplot2, Plotly, and Seaborn.
- Strong proficiency in OpenAI Prompt Engineering, API, and Assistants.

WORK EXPERIENCE

DATA ANALYST
Maxon Consulting   **Aug. 2020 – Feb. 2023**
- Collaborated with subject matter experts to develop an ML model using Python's TensorFlow packages to classify and measure the sediment profile, grain size, and biogenic structures in Sediment Profile Images (SPI).
- Aggregated, normalized, visualized, and validated environmental and geospatial data to transition SPI classification model from a supervised to a semi-supervised algorithm, reducing SPI classification time by 80%.
- Led the development and implementation of cloud databases and data collection systems, engineering scalable extraction, transformation, and loading processes that modernized the firm's data pipeline from source to dashboard.
- Oversaw all aspects of the data journey from raw data collection to statistical analysis with various Python and R libraries to ensure accurate data and graphs for environmental reports.

QC ANALYST
illumina   **May 2019 – May 2020**
- Developed a Python and Tableau-based water spider inventory tool, reducing waste by 25% and saving the QC Inventory Team the equivalent of one full-time employee.
- Executed all phases of Water Spider Project deployment: ideation, research, development, testing, implementation, monitoring, and adoption by other illumina labs, increasing operational efficiency of all San Diego manufacturing labs by 20%.
- Overhauled SAP inventory management processes that relied heavily on tacit knowledge, and legacy systems with sparse, imprecise data into a scalable, automated process, significantly increasing data accessibility, accuracy, and reliability.
- Automated QC work order scheduling, analysis, and review using SAP, LIMS, and Python, increasing lab throughput by 12%, reducing analysis errors by 18%, and reducing turnaround time by 15%.
- Assisted in the integration and adoption of LabVantage and Tableau by building ETL tools for legacy data, developing new data management strategies, and crafting comprehensive documentation that improved data accessibility and utilization.

DATA SCIENTIST INTERN
BlueJeans   **June 2016 – June 2017**
- Built a CRM Dashboard utilizing Salesforce, SQL, and Java to track pertinent customer usage metrics allowing account managers to quickly diagnose customer usage trends, reducing customer churn by 10%, and doubling upsell opportunities.
- Collaborated with cross-functional teams to design and implement Tableau dashboards, resulting in a 75% reduction in data analysis time and improved decision-making processes.
- Sourced, vetted, and analyzed big data databases to generate departmental KPIs for monthly board of directors meetings.
- Assisted senior data scientists in creating ad-hoc queries and visualizations to inform business-critical decision-making.

EDUCATION

M.S. DATA ANALYTICS
Boston University   **Sep 2022 - Present**
Dean's List, 4.0 GPA

B.S. NEUROSCIENCE   **Sep 2018**
University of California, San Diego

ADDITIONAL COURSEWORK & SKILLS
Udemy's 100 Days of Code: The Complete Python Bootcamp
Developed fluency in Python with emphasis on the Pandas, Matplotlib, ggplot2, and Numpy packages.

MIT 6.S191: Introduction to Deep Learning
Built various neural networks using Python's TensorFlow package.

Coursera Prompt Engineering for ChatGPT
Learned to build complex prompt-based applications using AI NLP models like ChatGPT.