Cody Thayer

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

Relevant Technical Skills
- Strong proficiency in MySQL, Google BigQuery, Google Cloud, Amazon Redshift, Amazon Web Services (AWS), and Spark.
- Strong proficiency in Python, R, and SQL. Moderate proficiency in Java and C++.
- Strong proficiency in Tableau, PowerBI, R Shiny, and Excel.
- Strong proficiency in Prompt Engineering, ChatGPT, and Copilot.

WORK EXPERIENCE

DATA ANALYST
Maxon Consulting   **Aug. 2020 – Feb. 2023**
- Developed end-to-end ML model using Python's TensorFlow SSD packages to classify and measure the sediment profile, grain size, and biogenic structures in Sediment Profile Images (SPI).
- Collaborated with engineers, geologists, and oceanographers to aggregate, normalize, visualize, and validate environmental data to transition SPI classification model from a supervised to a semi-supervised algorithm, reducing SPI classification time by 80%.
- Developed and implemented cloud databases, data collection systems, and data analytics to streamline the firm's data pipeline from source to dashboard.
- Synthesize complex environmental regulatory policy to author contract bids and amend contract proposals from private and government organizations.

QC ASSOCIATE
illumina   **May 2019 – May 2020**
- Utilized Python, SQL, Splunk, and Tableau to build water spider inventory tool that improved lab operational efficiency by 20%, and saved 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 with minimal supervision.
- Leveraged both SAP and Laboratory Management System to automate QC work order scheduling, analysis, and review reducing analysis errors by 15%, and reducing both analysis and review time by 50%.
- Streamlined SAP inventory management processes, significantly enhancing data accuracy and reliability by implementing targeted analytics solutions to reconcile historical data discrepancies increasing veracity of sparse, imprecise, legacy datasets.
- Collaborated with department leaders to design, order, and install 6S-compliant lab equipment to meet lab's increased workload, improving lab's throughput by 30%.

DATA SCIENTIST
BlueJeans   **June 2016 – June 2017**
- Created CSM Account Health Dashboard using SQL and Java to track pertinent customer usage metrics to simplify sales account maintenance and identify account growth opportunities.
- Consulted with all company departments to develop innovative, team-specific dashboards that solved complex departmental issues and improved department leaders' desired outcomes.
- Sourced, vetted, and analyzed big data databases to generate departmental KPIs for monthly board of directors meetings.
- Researched and learned new data engineering and data science techniques to best solve evolving internal customer issues.

EDUCATION

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

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

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

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

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