Cody Thayer

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References Available Upon Request

Relevant Technical Skills
- Strong proficiency in MySQL, Google BigQuery, Google Console, Amazon Redshift, Amazon Web Services (AWS), and Splunk.
- Strong proficiency in Python and R. Moderate proficiency in Java and C++.
- Strong proficiency in GitHub, R Shiny, Tableau, 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 TensorFlow's SSD packages to classify and measure the sediment profile, grain size, and biogenic structures present in Sediment Profile Images (SPI).
- Collaborated with engineers, geologists, and oceanographers to transition SPI classification model from a supervised to a semi-supervised algorithm, reducing SPI classification time by 80%.
- Organized internal and external data pipelines and learned new GIS mapping software helping firm double the delivered environmental reports during first year.
- 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 complex internal and external data to automate QC work order scheduling, analysis, and review reducing analysis errors by 15%, and reducing both analysis and review time by 50%.
- Coordinated weekly office hours aimed to teach colleagues how to utilize Python, and SQL to automate routine tasks, optimize lab workflows, and analyze bioinformatic datasets.
- Standardized, performed, and taught complex multi-day oncology assays above department efficacy rate.
- 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 tracking 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 and analyzed complex, multidimensional datasets from internal and external sources for all departments to generate KPIs for monthly board of directors meetings.
- Researched and learned new data science techniques to best solve 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.