**Cody Thayer**

(408) 317.8526

[codythayer@gmail.com](mailto:codythayer@gmail.com)

[github.com/codythayer](https://github.com/codythayer)

**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%.
* Coordinatedweekly 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 large language models.*

**Relevant Technical Skills**

* Strong proficiency in MySQL, Google BigQuery, Google Console, Amazon Redshift, and Splunk.
* Strong proficiency in Python and R. Moderate proficiency in Java and C++.
* Strong proficiency in GitHub, R Shiny, Tableau, and Excel.