

EMILY R. CREAGER

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SKILLS

Languages	Python, SQL, JavaScript, HTML, CSS, Microsoft SQL Server, C
Tools	Snowflake, BigQuery, Postman, Git, JIRA, Docker, Google Cloud Platform (GCP), Looker, Tableau, Spotfire, JupyterLab, Selenium IDE, Katalon Studio, Excel
Libraries	pandas, numpy, scikit-learn, pytorch, matplotlib, plotly, seaborn, openpyxl, scipy, statsmodels, multiprocessing, selenium, scrapy, requests, beautifulsoup, sendgrid

EXPERIENCE

Senior Data Scientist, Pinecone Data (Freelance) 11/2023 - Present

- Train and optimize machine learning models to enhance prediction accuracy.
- Refine ML pipelines in GCP to improve data processing efficiency and resolve logical errors.
- Engineer robust data pipelines for data cleaning, preprocessing, and statistical analysis.
- Create and present meaningful data visualizations to identify relationships between variables.
- Apply feature engineering techniques to improve model robustness and accuracy.

Senior Data Scientist, Blue Triangle Technologies 01/2018 - 08/2023

- Led a project to select the optimal machine learning model for a large time-series dataset.
- Transformed unstructured and disparate datasets into actionable and informative visualizations.
- Developed Python scripts to identify unauthorized words, GDPR/CCPA compliance, and CSPs.
- Manipulated and analyzed large datasets to improve website performance and increase revenue.
- Created stable, reliable test cases across 75+ domains to identify performance bottlenecks.
- Developed lightweight JavaScript code to customize and improve data collection.
- Mentored internal & external teams on automation, website performance, and API integrations.

Implementation Manager & Data Analyst, Solium Capital 07/2016 - 05/2017

- Created and maintained SQL scripts for 22+ databases to ensure reliable data processing.
- Conducted data validation during ETL workflows to identify and resolve logical inconsistencies.
- Managed 16+ projects with timely delivery and maintaining strong client communication.
- Documented key project milestones and procedures in JIRA and Confluence.

Research Assistant, Accelerator Mass Spectrometry Laboratory 05/2014 - 05/2016

- Designed and built a high-precision gas ionization detector integrated with a solid state detector.
- Modeled ion interactions and simulated electric fields within the detector using MATLAB.
- Fabricated silicon nitride foils using UV lithography and plasma etching.

Vice President & Team Lead, Women in Science & Engineering 08/2013 - 12/2014

- Promoted to Vice President for consistently demonstrating leadership and outstanding teamwork.
- Led a multidisciplinary team, overseeing conflict resolution and fostering strong relationships.
- Served on the Executive Council to manage projects and drive intern professional development.
- Implemented experiential curriculum at conferences, mentoring programs, and expositions.

EDUCATION

University of Arizona

Bachelor of Science, *Physics*