

Logan Cooper

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CAREER PROFILE

I am a data professional with over five years of experience in data science, software engineering, and data engineering. At MoMA, I develop a suite of cloud-based ETL microservices using Python, SQL, BigQuery, and Docker on Google Cloud Platform. I also hold an M.S. in Economics and Computer Science from Duke University.

EXPERIENCE

- Museum of Modern Art** New York, NY
Data Engineer (Contract) Jan 2025 – Aug 2025 (Contract End)
 - Cut runtime of 13 mission-critical ETL data pipelines from 30 to 10 minutes and increased their frequency from daily to half-hourly by migrating them from a legacy system to GCP: fetching data with Dockerized Python scripts, processing it with SQL/BigQuery, and orchestrating with Workflows.
 - Developed a batch data pipeline with Python and SQL to integrate on-prem and cloud artwork data into a dashboard on outgoing art loans used by top curators, cutting the request time for data by 95%.
 - Explored using Terraform to define BigQuery resources, enhancing our disaster recovery capabilities.
- EBP US** New York, NY
Data Scientist Jul 2023 – Dec 2024
 - Evaluated machine learning models in Python (pandas, scikit-learn, statsmodels) for regression and classification tasks to synthesize data for use in a policy simulation project used by several East Coast states on a contract worth \$130,000.
 - Utilized R and Arrow to build data pipelines and regression models on 100+ GB datasets to predict economic impacts of changes to vehicle taxation in California on a contract worth over \$115,000.
- Pearson** Durham, NC
Data Science Intern May 2022 - Aug 2022
 - Constructed data pipelines utilizing Python, pandas, and SQL, facilitating the download, cleansing, and transcription of 11.5 million text, audio, and video documents, loaded into Google BigQuery for NLP training.
 - Developed a prototype AI search and recommendation engine, leveraging textbook data to better recommend learning resources to customers, including a Flask API and React frontend.
- Federal Reserve Bank of San Francisco** San Francisco, CA
Software Developer Jul 2020 - Jul 2021
 - Developed a custom Java ETL tool: automating data conversion, ensuring data quality, and providing automated and timely access to data for over 200 economists and data scientists across all 12 branch banks.
- Forio** San Francisco, CA
Software Developer Jan 2018 - Jun 2020
 - Developed React/Redux frontends and Node (Express) backends for educational simulations and data visualizations as part of an agile, cross functional team, resulting in over \$990,000 in revenue.
 - Devised an internal JavaScript CLI tool, significantly reducing developer time per project and enhancing compliance with internal coding standards and saving between 8-16 hours per project.

EDUCATION

- Duke University** Durham, NC
M.S. Economics and Computer Science 2021 - 2023
Selected Coursework: Machine Learning, Natural Language Processing, Databases, Topics in Data Science, Mathematical Statistics
- U.C. Santa Cruz** Santa Cruz, CA
B.A. Global Economics (cum laude) 2012 - 2016

SKILLS

- **Languages:** Python (PyTorch, Flask, matplotlib, scikit-learn), SQL (Postgres, MySQL), JavaScript (React, Node)
- **Tools:** Git, Amazon Web Services(AWS), Google Cloud Platform(GCP), BigQuery, Looker, Terraform, Docker