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 – Jun 2025 (Contract End)*
  - Migrated thirteen mission-critical data pipelines onto GCP, using Python (pandas), BigQuery, and GCP Workflows, thereby improving reliability and transparency.
  - 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%.
  - Prototyped defining data warehouse infrastructure with Terraform as an option to back up and version control procedures, pipelines, and schemas.

- **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