LIVIA ELLEN

♠ San Francisco, CA

≥ lellen@usfca.edu in Linkedin Github tiviaellen.com/portfolio

Machine Learning Engineer & Data Analyst (6 YOE), experienced in customer experience analytics, ML infra, computer vision, and LLM deployment (GCP, Docker, PyTorch). Founded viral AR agency filterqu (5B+ impressions, 9M UGC videos).

Experience

Machine Learning Engineer

San Francisco, CA

CarIQ Pay

Oct 2024 - Present

- Forecasted fleet payment activity using historical transaction & vehicle telematics data, end-to-end MLOps workflow with Docker for scalable model deployment & monitoring, 95% model uptime via GCP Cloud Run with CI/CD rollback.
- Built customer experience dashboard in Looker integrating fleet manager feedback (CSAT), payment data, and telematics usage, enabling CX team to identify transaction pain points and reduce support tickets by 18%.
- Collaborated with product/data teams to align model output with KPI dashboard for fleet managers by enhancing time-based features and vehicle telematics signals on 43K vehicles & 271 fleets.

Data Scientist, Lead Instructor & Manager

Paris, France

Le Wagon for Business

Apr 2022 - Aug 2024

- Developed training material and maintained GitHub content for data training serving 20K students globally.
- Taught and managed data science, data analytics, and AI training for corporate & government clients for 500+ students across APAC, Europe, America, and MENA with avg. NPS of 89, launching 30+ data & AI products.
- · Analyzed post-training survey data (CSAT, NPS, qualitative feedback) to identify curriculum pain points and improve satisfaction, leading to a 15% lift in participant engagement and repeat client contracts.
- Delivered client-facing CX reports with dashboards (Tableau/PowerBI) highlighting learner outcomes, sentiment analysis, and KPIs, used by C-level stakeholders to refine training strategy.

Data Scientist Jakarta, Indonesia

SLB (Schlumberger)

Dec 2020 - Mar 2022

- Built data pipelines and trained regression ML model to automate well screening for Pertamina (largest oil company in Indonesia) on Dataiku, reducing review time by 90% & boosting ROI by 17% for the next 5 years.
- Developed NLP pipelines to convert unstructured engineering reports into structured tabular data, reducing data review time from two weeks to five minutes across 400 oil & gas reservoirs in the Attaka Field (99% faster).

Founder, AR Developer

Jakarta, Indonesia

filterqu AR Agency (sunsetted after platform support ended; portfolio)

Jun 2019 - May 2023

- Bootsraped a data-driven AR software agency, delivering 150+ branded effects for Fortune 500 clients, generating 9M UGC videos and 5B+ impressions; integrating CX dashboards with clients campaign analytics, UGC sentiment.
- Education & outreach in partnership with Meta: Designed and launched Spark AR course in Facebook Blueprint.

Technical Skills

Languages: Python (Pandas, NumPy, Scikit-learn, PyTorch, TensorFlow, FastAPI), SQL, R, Bash, LangChain Tools: Docker, Airflow, Git, dbt, Google Cloud Platform (BigQuery, Cloud Run, GKE), Snowflake, PowerBI, Tableau, Looker

Projects & Publications

Co-author - SPE APAC Oil & Gas Conference Paper (2022)

• Well Portfolio Optimization: Accelerating Generation of Well Intervention Candidates with Automated Analytics and ML (DOI: 10.2118/210614-MS), reducing review time by 90% & increasing 5-year ROI by 17%.

Tech Content Writer & Contributor

• Contributor for Towards Data Science (660K followers), Code like a Girl (57K), and Python in Plain English (3.5M+ monthly reads). Writings: Deploy APIs with FastAPI, Docker, GCP & How I'd Learn to Code with ChatGPT.

Sales Emotion & Engagement Analyzer (Github)

• Built a deep learning model with the FER-2013 dataset (38K images) utilizing PyTorch and OpenCV 79% accuracy.

Data Ingestion & Analytics Automation – Michelin Restaurants (<u>Dashboard</u>)

• Built an automated pipeline using MongoDB, Airflow, and BigQuery to ingest and transform Michelin restaurant listings (6K+ entries across 35 countries), enabling weekly Looker dashboard refreshes — reducing manual updates by 95%.

Education

University of San Francisco - M.S. in Data Science Universitas Indonesia - B.Eng. in Computer Engineering

Jul 2024 - Jun 2025



Livia Ellen Portfolio

About Ellen

AI & AR Consultant

Data Scientist with 6 Years of Experience

Are you looking for a consultant with experience in machine learning, statistical analysis, augmented reality, and data visualization? Look no further! With 6 years of experience in the field, I am confident in my ability to help your team make data-driven decisions and uncover valuable insights.

Ready to work together?

Contact Me

Resume

Sook a Call

liviaellen.com

Github

A LinkedIn



Projects

Please select a project category from the list below to view more details.

To learn about a certain project, simply click the card to open.

Portfolio

88 All 88 Machine Learning 88 Automation 88 Data Viz 88 Data Analytics 88 API Development 🖽 Table

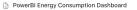






Well Production Optimization Well Production Optimization for Oil Company Data Science Machine Learning





Tableau, PowerBl, Looker, or Spotfire Dashboard for website analytics Data Analytics Data Visualization





Develop an automated vehicle damage detection system that can iden Data Science Computer Vision Automation API Machine Le



Ask My PDF - GPT Based App

This app uses OpenAl's LLM model to answer questions about your Pl Data Science GPT NLP API Machine Learning



A Freemium API Service pulling all real time Climate Change News aro API Web Scraping



Tableau, PowerBl, Looker, or Spotfire Dashboard for website analytics Data Analytics Data Visualization



Augmented Reality Experience for Brands

Tableau, PowerBI, Looker, or Spotfire Dashboard for e-commerce Augmented Reality Game Development Marketing Machine L



Ellen Al Assistant

Data Science GPT NLP API Machine Learning



Stock Data Pipeline for JS Holding

Build a Data Pipeline and automating data flow for wealth manage Data Science API Data Analytics Automation



Selenium Automation, Zapier Integration

Setup an automation pipeline and zapier integration API Data Analytics Automation





Automated Workflow for Processing PDF Files into Structured Data

NLP Data Science Data Visualization



🖺 Student Engagement Detector on E-learning

An engagement detector detecting student eye gaze and facial expre-Data Science Machine Learning Computer Vision

Client Testimonials

"We had a job that required a wide breadth of technical knowledge and Livia was able to provide her expertise and help us complete this job. She is extremely technical and knowledgeable and we will be working again on future projects.

Very strong candidate!"

- Javier

"Livia Ellen is truly brilliant and really efficient. She really knows how to attack problem sets and make them easily understandable to non-technical people like myself."

- Joy

Data Analytics Data Visualization

"Livia was great to work with. Responsive, skilled, efficient, delivers high quality work. Highly recommended."

- Robert B.