

LIVIA ELLEN

🌐 San Francisco, CA ✉ lellen@usfca.edu 🔗 [Linkedin](#) 🐙 [Github](#) 🌐 liviaellen.com/portfolio

AI & IT Leader with 6+ years of experience driving automation, enterprise systems integration at scale. Tech Content Writer @ Towards Data Science [660K Followers](#), Founded AR Software agency [filterqu](#) (generated 9M UGC videos, 5B+ impressions).

Experience

AI Engineer

San Francisco, CA

Stealth - Multiple Projects (YC-backed & Enterprise)

Sept 2025 - Present

- **Delivered production AI pipelines across 3 products**, built LangGraph backend & B2B content generation systems for a YC-backed company, developed Laude's TerminalBench + SWBench ML coding agent pipeline, and implemented AI workflows for marketing campaigns at a public-sector company (NEOGOV) reducing cost & latency by 40%.

Machine Learning Engineer

San Francisco, CA

CarIQ Pay

Oct 2024 - Jun 2025

- **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.
- **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, working as a grad student intern.

Data Scientist, Lead Instructor & Manager

Paris, France

Le Wagon for Business

Apr 2022 - Aug 2024

- **Taught and managed** data science and AI team to conduct training for corporate & government clients for 500+ students across APAC, Europe, America, and MENA with avg. NPS of 91, launching 30+ data & AI product.
- **Developed training material** and maintained Github content for data training serving 20K students globally.

Data Scientist

Jakarta, Indonesia

SLB (Schlumberger), the largest oilfield service company

Dec 2020 - Mar 2022

- Designed and **implemented an end-to-end MLOps pipeline** on Dataiku to automate well screening across **400 oil & gas reservoirs** for Pertamina, reducing review time by 90% and 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 across **400 oil & gas reservoirs** in the Attaka Field by **99%**.

Founder, AR Developer

Jakarta, Indonesia

filterqu AR Agency (sunsetting after platform support ended)

Jun 2019 - May 2023

- **Founded and scaled an AR software agency** delivering 150+ branded effects for Fortune 500 clients, generating 9M UGC videos and 5B+ impressions through AR app with face and object detection experiences; liviaellen.com/ar-profile
- **Lead Meta 2023 #MonthOfGood Ramadhan Global campaign** with an immersive AR game; 5.5 M impressions.
- Education & outreach in partnership with Meta: Designed and launched [Spark AR course](#) in Facebook Blueprint.

Technical Skills

Languages: Python (Pandas, NumPy, CuPy, Scikit-learn, PyTorch, TensorFlow, FastAPI), SQL, R, Bash

Tools: Docker, Airflow, Git, dbt, Google Cloud Platform (BigQuery, Cloud Run, GKE), Snowflake, PowerBI, Tableau

Projects & Publications

Recent Hackathon Wins @ Stanford, MIT, Frontier Tower & Y Combinator

- 2025: Best SecureMR App - running ML on edge device @ [StanfordXR](#), @[Y Combinator](#) Agent Jam - Video Track Metorial, Best Omi Apps (AI Wearable + [Open Source](#) contribution, AWE x Snap x MIT Reality Hack Finalist 2025.

Scalable Data Ingestion & Analytics Pipeline ([Dashboard](#)) - IEEE ICBDA 2026 (Forthcoming, First Author)

- Built with MongoDB & Airflow across 18K Michelin restaurant listings in 35 countries, reducing manual updates by 95%.

Tech Content Writer & Contributor - I write blogs & tutorials

- 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](#).

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%.

Sales Emotion & Engagement Analyzer ([Github](#))

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

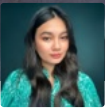
Education

University of San Francisco - M.S. in Data Science

Jul 2024 - Jun 2025

Universitas Indonesia - B.Eng. in Computer Engineering

Aug 2016 - Jun 2020



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

Book a Call

liviaellen.com

Github

LinkedIn

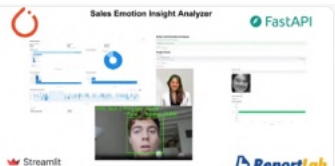


Projects

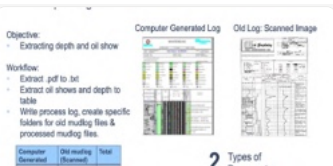
Please select a project category from the list below to view more details.
To learn about a certain project, simply click the card to open.

Portfolio

All Machine Learning Automation Data Viz Data Analytics API Development Table



Sales Call Emotion Insight AI Analyzer
A deep learning-based application for analyzing emotions and engage
Data Science Data Visualization Machine Learning



Text Extraction on Drilling Data
Develop an automated text extraction & graph extraction tool to process
Data Science Computer Vision Automation API Machine Learning



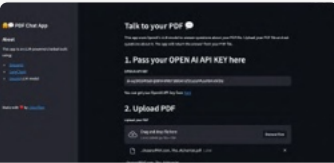
Well Production Optimization
Well Production Optimization for Oil Company
Data Science Machine Learning



PowerBI Energy Consumption Dashboard
Tableau, PowerBI, Looker, or Spotfire Dashboard for website analytics
Data Analytics Data Visualization



Vehicle Damage Detection
Develop an automated vehicle damage detection system that can identify
Data Science Computer Vision Automation API Machine Learning



Ask My PDF - GPT Based App
This app uses OpenAI's LLM model to answer questions about your PDF
Data Science GPT NLP API Machine Learning



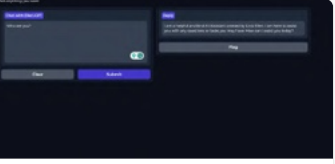
Climate Change News API
A Freemium API Service pulling all real time Climate Change News across
API Web Scraping



Looker Website Analytics Dashboard
Tableau, PowerBI, 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 Learning



Ellen AI Assistant
AI based GPT assistant to answer any questions, served as an API and
Data Science GPT NLP API Machine Learning



Stock Data Pipeline for JS Holding
Build a Data Pipeline and automating data flow for wealth management
Data Science API Data Analytics Automation



Selenium Automation, Zapier Integration
Setup an automation pipeline and zapier integration
API Data Analytics Automation



E-commerce PowerBI Sales Dashboard
Tableau, PowerBI, Looker, or Spotfire Dashboard for e-commerce.
Data Analytics Data Visualization



PDF Text Extraction for Drilling Data
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 expression
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

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