

# LIVIA ELLEN

 San Francisco, CA  [ellen@usfca.edu](mailto:ellen@usfca.edu)  [Linkedin](#)  [Github](#)  [liviaellen.com/portfolio](http://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

*Stealth - Multiple Projects (YC-backed & Enterprise)*

San Francisco, CA

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 (sunsetted 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](http://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](https://doi.org/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](#)



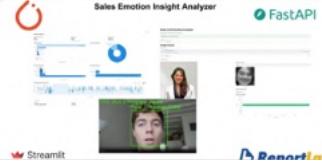
## Projects

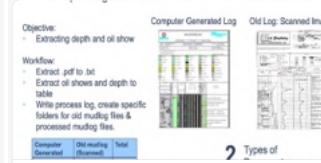
Please select a project category from the list below to view more details.

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 Emotion Insight Analyzer**  
[FastAPI](#)  
**Streamlit** **ReportLab**

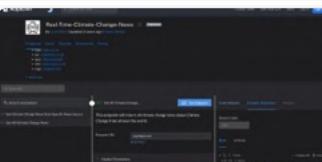
  
**Computer Generated Log** **Old Log: Scanned Image**  
**Types of**  
**Text Extraction on Drilling Data**  
**Discover more**

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

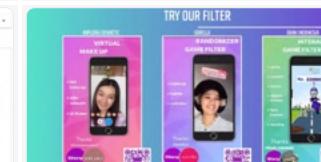
  
**PowerBI Energy Consumption Dashboard**  
**Tableau**, **PowerBI**, **Looker**, or **Spottfire** **Dashboard** for website analytics  
**Data Analytics** **Data Visualization**

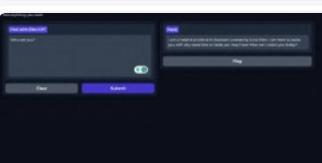
  
**Vehicle Damage Detection**  
**Develop an automated vehicle damage detection system that can identify**  
**Data Science** **Computer Vision** **Automation** **API** **Machine Learning**

  
**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 from**  
**API** **Web Scraping**

  
**Looker Website Analytics Dashboard**  
**Tableau**, **PowerBI**, **Looker**, or **Spottfire** **Dashboard** for website analytics  
**Data Analytics** **Data Visualization**

  
**Augmented Reality Experience for Brands**  
**Tableau**, **PowerBI**, **Looker**, or **Spottfire** **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 **Spottfire** **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.