

Livia Ellen



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liviaellen.com/portfolio

Data Scientist and Augmented Reality Developer with over five years of experience, specializing in machine learning. Currently teaching Data Science at Le Wagon, and previously launched her AR course for Facebook Blueprint. Her AR works has reached 5 billions impressions and generating 9 millions User Generated Contents for brands. Avid traveler, PL1 Paragliding Licensed Pilot.

Experience

Data Science & AI Lead Instructor, Le Wagon

April 2022 - Present

- Teaching data science to corporates B2B across Australia, Asia, Africa and Middle East; Total Energies, SLB, Air Liquide, and SDA
- Coached students and manage projects on B2C bootcamp (approximately **300+ students, 30 products launched**)
- Manage various training batches, ensuring compliance with rules and the overall well-being of students; 6 onsite fulltime batch and 2 Hybrid batch in Bali, Singapore, Melbourne, Rio, Mexico, Munich, Casablanca. Riyadh, Kuala Lumpur.

Curriculum Content Writer, Le Wagon

- Developed training materials for Le Wagon clients in Data Analytics, Power BI, and Data Visualization.
- Raised GitHub issue & content suggestion for the bootcamp, serving **20 thousand students** worldwide

AR Developer & Creative Director, META

Contract Work

- Designed and delivered my Augmented Reality course on Facebook Blueprint – Meta Spark AR Pro, Feb - June 2023
- Consulting on the future of the AR with thought leaders on **META SPARK AR Connect 2022 Global** in Bangkok
- Lead Meta's 2023 #MonthOfGood Ramadhan Global campaign through an immersive AR game reaching **5.5 M impressions**, collaborating with Raffi Ahmad & RANS — 60M-following
- Launched an AR course with Spark AR Labs Hacktiv8 for more than **500+ participant**, June 2021 - Jan 2022
- Guest Speakers at workshop and Judge for National AR Hackathon organized by Facebook Developer Circles 2021

Data Scientist - IM Engineer, Schlumberger

Dec 2020 – March 2022

- Managed production data Dataiku workflow in Pertamina PHKT Project: Well Portfolio Optimization which leads to **17% increase in ROI over the next 5 years** for Attaka field
- Developed NLP text processing workflow; enhancing data efficiency, **saving 99% review time from 2 weeks to 5 minutes**
- Delivered data management solutions and corporate training, supporting Schlumberger Software Integrated Solutions (SIS) clients, received 2 Quarterly Rewards & Recognition Award

Data Scientist, Freelance

Sept 2022 – April 2023

Helping clients utilizing their data on various companies in US, Europe & Middle East Region. What I have worked on:

- Projects:** Data Migration for Wealth Management firm, Vehicle real time damage detection tools, data pipeline automation (mail and apps integration), ecommerce data dashboard
- Task:** ML model development, SQL Database Management, API Building (FastAPI, Docker) and Cloud Deployment; GCP & AWS

AR Effect Developer, filterqu

Apr 2020 - Present

- Develop 150+ interactive filter for brands: AR Virtual Make Up, Quiz, Game on Facebook, Instagram, Tiktok, generating 5 Billion Impressions and 9 Million User Generated Content
- Successfully increasing the **client's engagement reach to 412%** after launching AR Experience on social media
- Featured in 50++ international and national news as AR Pioneer
- Built AR creator ecosystem by guest lecturing in university: Universitas Parahyangan, Institut Teknologi Kalimantan, etc.

Education

University of Indonesia, 2016-2020

Bachelor's degree, Computer Engineering

- Activities:** Vice President of Electrical Engineering Foundation Scholarship 2017, Staff of Institute of Electrical Engineers IEEE UI
- Awards:** KEB Hana Bank Scholarship Excellence 2017, 1st Place Research Proposal Competition Olimpiade Teknik UI, 3rd Place Energy Innovation Challenge by Institution of Engineers Singapore

Relevant Activities

- Writer & Contributor for online tech publication** Towards Data Science (660K followers), Python in Plain English (3.5M readers)
- MIT Reality Hack XR Hackathon Finalist, Jan 2024** – MIT Media Lab - Top 8 Startup Track Finalist out of 94 team – 460 participants
- Mentor for KaggleX BIPOC Cohort 3 Mentorship Program, Sep 2023** – mentoring early data scientist who identify as Black, Indigenous, People of Color to grow in the data science industry.
- Tiktok Effect House Accelerator, Nov 2023** – selected as a participant in a 6 weeks AR Developer accelerator program
- Google Women Developer Academy Fellowship, March 2022**
- Most Innovative Solution NLP Multi-classification Well Construction @ SLB AI LAB, Montpellier France June 2021**
- Bedah Rumah Reality Show TV Host 2018-2019** – 1M Audiences

Courses & Certifications

- Palantir Data Engineering - Foundry Foundations
- Dataiku Core Designer & ML Practitioner
- META Certified AR Meta Spark Developer
- IBM Cognitive Class AI: Python for Data Science
- Tibco Spotfire TSP101: - Data Visualization Fundamentals

Publication

- Well Portfolio Optimisation, Accelerating Generation of Well Intervention Candidates with Automated Analytics and Machine Learning - SPE APAC Oil & Gas Conference, Adelaide AU 2022
- Student Engagement Detection System in E-Learning Environment using OpenCV and CNN, Univ. Indonesia Lib 2020
- Medium Writing:** liviaellen.medium.com – 100K Reads Monthly

PORTFOLIO

Data Science Portfolio

- Notion: liviaellen.com/portfolio

Augmented Reality Effect Development

- Various AR Effect for brands and organizations (Bank Indonesia, Shell, Watsons Malaysia, Djarum, Sorella, Implora Cosmetic, D2CGamingStore, Hansaplast, etc)

Filterqu: <https://filterqu.com> , AR Portfolio Profile: liviaellen.com/ar-profile

Data Science – AskTanya, Python Library to find factual information.

- Python Package: <https://pypi.org/project/asktanya/> , Web-App: <https://asktanya.herokuapp.com/>

Dashboard – PowerBI Energy Consumption Dashboard

- [Tableau, PowerBI, Looker, or Spotfire Dashboard for website analytics](#)

ML, NLP - PDF Text Extraction Workflow

- [This workflow](#) is designed to extract key information from PDF files, including tables and graphs

ML - Engagement Detection System in E-Learning Environment using OpenCV and CNN

- <https://github.com/liviaellen/engagementdetector>

My Writings on Online Publication and Newsletter

I am an active contributor/writer for Towards Data Science (660 K Followers), Python in Plain English (Newsletter with 3.5M Reads Monthly) and Code Like a Girl (44K Followers)

- [27 Python Coding Tips: Lessons I Wish I Knew When I Started Coding](#)
- [How Would I Learn to Code with ChatGPT if I Had to Start Again?](#)
- [How Becoming a Programmer Helps Me Learn How to Learn](#)
- [Create Your Own PDF Question Answering System with OpenAI GPT, LangChain, and Streamlit](#)

Workshop, Teaching, and Talks Recordings

- [Facebook Blueprint – Meta Spark AR Pro](#)
- [Build your first Machine Learning model with Python to make informed data-driven decisions](#)
- [Introduction to Data Visualization and Microsoft PowerBI for Total Energies](#)
- [Learn how Machine Learning can reveal gender equality \(or inequality\)](#)

API Development, Web Scraping, and Data Mining – published on Rapid API

- World Climate Change News API Service: <https://liviaellen.com/climateneWSapi>
- Indonesia Political News Real-Time API Service: <https://liviaellen.com/politicalnewsidapi>

NLP Multi Classification - Daily Drilling Report data

- <https://liviaellen.com/nlp-ddr>

Leswat Energy - A Smart Home IOT Module & Mobile App

- Arduino Programming & MicroController Implementation using NodeMCU v3 ESP8266, Relay. Data Stored on IBM Bluemix using IBM Watson Tools for IOT – Github [Link](#)