Leonardo Aoun

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A software engineer constantly on the run. I lived in 8 regions across 3 continents in the last 3 years which taught me to be a sociable and open-minded person. Inspired by science and always eager to discover and invent.

Education

2014–2020	**Ecole Polytechnique Federale de Lausanne**, *Ecublens CH*, Bachelor and Master's in CS, Current GPA 5.35/6
2016–2017	**University of Washington**, *Seattle WA*, Visiting Student, GPA 3.82/4

Experience

08/2020 - present	**Facebook AI Applied Research**, *London UK*, Machine Learning Engineer, Handling data **ETL** pipelines to build evaluation and training datasets for **Computer Vision** models. Using **PyTorch Lightning** to improve training, inference, and experimentation of these models
Spring 2020	**Angele**, *Remote*, Chief Technology Officer, Built the first product and concocted the **roadmap** of a silvertech startup consisting of a full stack application accompanied by an **Alexa VUI** *https://app.angele.io*
Fall 2019	**Astroscreen & CVLab@EPFL**, *Remote*, Data Science Intern, Worked on my master thesis with a **startup** in London focusing on **Graph Neural Networks** and **Natural Language Processing** for detecting misinformation in **social networks** *https://github.com/aounleonardo/Spread-Classification*
Summer 2019	**Amazon Computer Vision**, *Berlin DE*, Applied Science Intern, Experimented with different **deep learning** techniques for 3D reconstruction of meshes from 2D images
Winter 2019	**Facebook AI Research**, *Manhattan NY*, Software Engineering Intern, Developed **full stack** internal tools to increase awareness and discoverability of research results. Project included experimentation and deployment of **topic modeling** to cluster and recommend research papers
Summer 2018	**Facebook**, *London UK*, Software Engineering Intern
Summer 2017	**Adobe Research**, *San Jose CA*, Research Engineering Intern

Projects

Intrinsic Image Decomposition	Project with the CVLab@EPFL to decompose images of designed cloths into their reflectance and shading components using **CNN**s.
Neo Caritas	Won **first prize** at StartHack 2018 out of 350+ participants with a **decentralized** application running on the Neo **blockchain** to facilitate the process of donations *https://github.com/aounleonardo/neo-caritas*
Indoor Navigator	Implemented a plugin to the iOS app EPFLCampus that localizes users inside campus buildings and navigate them to their desired destination in **augmented reality**
Catapult VR	Focused on having accurate and intuitive hand interactions with a **VR** catapult in a 'Angry Birds'-like game on **Unity**. *https://youtu.be/liQCkO2JAsQ*
Pitchgrader	Built a web app with NodeJS and React along with satellite **image processing** in **Python OpenCV** to analyze sports pitches in Switzerland *https://youtu.be/QSX4Bnhs0CI*

Personal

Languages	Arabic *Native*, English, French *Bilingual*, German, Spanish *Conversational*, Italian *Beginner*
Hobbies	**Learning Languages**, Improvising, Travelling, Public Speaking, Scouts Du Liban, Reading, Martial Arts, Rock in all its flavors