Machine Learning Engineer
Controls Engineer and Data Scientist
Berkeley, CA
Work Experience
Machine Learning Engineer
Nafith Logistics - Amman, JO
June 2018 to January 2019
• Lead the designing of the architecture and data pipeline for training truck recognition software as an added layer of security for ground transportation.
• Provided the framework for remote data collection and automated it.
• Built a KNN filter to catch truck passage using a camera (100$\%$ accuracy on existing data).
• Implemented Google's facenet using Sandberg's opensource repository on github. Also experemented with writing a convulutional neural net from scratch that included doublet loss and 128-dimensional vector embeddings (in tensorflow).
• Preprocessed truck passage videos to minimize data storage but minimally affect recognition.

Python Instructor
Python Summer Camp - Amman
June 2018 to August 2018
-Designed and taught a 6 week python course for beginners focusing on teaching them how to start coding. We used jupyter notebooks for an interactive environment. It was a small group of people which allowed me to work individually with each student. The course had a final deliverable project of an automated email sender.
-Marketed the course using social media and interpersonal relationships as well as networking.

Researcher
COMPLEXITY GROUP
May 2017 to May 2018
• In charge of unsupervised learning and data analysis for anomaly detection. Explored multiple versions of clustering, including double layered clustering and unconventional statistical distance metrics.
• Helped design the data pipeline and the preprocessing techniques for multisensor data. We optimized the pipeline for the testing of multiple machine learning models.
• Worked on trying to interpret SQL data with inhouse multisensor data.
• Worked with a team to get inhouse wireless sensor networks up and running. Including pressure, infrared, acceleration and magnetic sensors.
• Devised a plan to calibrate all the sensors in a low budget framework.

Education
Master's in Mechanical Engineering
UC BERKELEY
August 2018 to May 2019
Bachelor's in Mechanical Engineering
UC BERKELEY
August 2014 to May 2018
Skills
Algorithm (Less than 1 year), Machine Learning (Less than 1 year), Java (Less than 1 year), Matlab (Less than 1 year), Computer Science (Less than 1 year), Python (5 years), C++ (Less than 1 year), Data Mining (Less than 1 year), Data Analysis (Less than 1 year), Solidworks(Less than 1 year), SQL (Less than 1 year), Statistics (Less than 1 year), Linux (Less than 1 year)