Emmanuel Ameisen
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Professional Experience:

March 2015-Present **Zipcar (ex-LocalMotion)**, San Mateo, California

Built a simulation framework in Python to optimize Zipcar's parking footprint, and allow for the testing of product features such as smart rebalancing and automated cleaning. Integrated and tested this framework with production data, and deployed it as a tool directly available to stakeholders.
Built a statistical demand prediction model in Python to selectively turn readers in cars off. Used pandas for data pre-processing and scikit-learn for Machine Learning. Improved car battery savings by over 20% while impacting less than 0.1% of users.
Build a library used to detect dependency conflicts, and deploy micro-services in such a way that their dependencies are always satisfied.
Built an algorithm to automatically clean incoherent GPS tracks to improved distance calculations and perceived reliability.

June-August 2014 **CloudMoDe**, Henderson, Nevada

Built an automated integrated continuous deployment system from the ground up using Docker for automation, Ansible for deployment, and GitHub for integration.
Improved tenfold the time necessary to both setup and update servers: Reduced setup time to 4 minutes down from 40, as well as update time to less than a minute down from 10.

Education:

Completed three master's degrees. Started in September 2009, graduated in September 2015.

Supélec

Master of Science in Electrical and Computer Engineering

Key Courses: *Advanced probabilities; Statistics; Numerical Methods of Optimization; Computer Architecture; Programing Concepts; Algorithmic Complexity; Mathematical Logic; Artificial Intelligence; Data Mining.*

Paris Sud (Paris XI)

Research Master in Artificial Intelligence, Machine Learning, and Statistics (Master IAC)

Key courses: *Statistics, Learning and Optimization; Advanced Statistical Learning; Robotics and Autonomous Agents; Multi Agent Systems; Research Methods.*

ESCP Europe

Master In Management

Completed an exchange program at Cornell university's ILR school, studied Entrepreneurship and Human Resources (Conducted research for Fortune 100 companies on HR best practices). Studied in Berlin and Paris.
Key courses: *Strategy; Psychology; Marketing; Finance.*

Computer and language skills:

Computer Skills:

Python: Proficient, used for Machine Learning Applications and general programming professionally.
Java, Go: proficient, used professionally.
C/C++: good knowledge, used in school.
Databases: Familiar with SQL, used MongoDB in personal projects.
Neural Networks for Machine Learning: completed Geoffrey Hinton's online course on Coursera. Graduated from a Data Science Masters.

Languages:

Fluent in French and English, intermediate German level, fluent in spoken Polish, basic Mandarin.

Projects:

Deep learning applied to the Europe railway system:

Worked on a project for Lusis payments aiming to predict train arrival times. Built a Deep Neural Network to automatically predict a train's arrival time at every stop of its itinerary using python for data treatment, and Weka for classification. Reduced the prediction error by more than 50%.

Entrepreneurial Experience:

Built an application to automatically schedule meetings within communities.