P A U L   D O A N

646-288-5352 | New York, NY
[Email](#) | [LinkedIn](#) | [Github](#)

EDUCATION

Columbia University | GPA: 4.16 — New York, NY
M.S in Operations Research — Aug 2019 - Dec 2020
- Business Analytics, Data Analytics, Statistical Modeling, Machine Learning, Deep Learning
- Won IEOR Operations Research Fellowship Award for outstanding performances

École Centrale de Lyon | GPA: 3.85 — Lyon, FR
M.S in Mathematics, Physics & Engineering — Sep 2016 - Sep 2018
- Analytic Mathematics, Computer Science, Optimization, Economics, Physics

PROFESSIONAL EXPERIENCES

Nephron — New York, NY
Data Scientist — Sept 2020 - Current
- Analyzing factors driving drug pricing patterns in healthcare industry
- Developing predictive models using Facebook Prophet model to anticipate drug price changes
- Predicting price changes using historical pricing, media & policies data, with error less than 2%

Token Metrics — New York, NY
Data Scientist — Aug 2020 - Current
- Initiating sentiment department - studies opinion towards cryptocurrencies to help investment research
- Building AI models which predict crypto price trends using sentiment with accuracy above 70%
- Constructing Genetic Algorithms to identify new portfolio strategies

Sitétudes — Montpellier, FR
Business Engineer, Quality Developer — May 2018 - Dec 2018
- Supervised teams within five design offices for deviation of city of Orange, FR, budget of 40M €
- Operated as Consultant & Strategy Organizer for Sou Fujimoto architects
- Optimized strategy for internal organization which helped maximize efficiency & profitability

ACADEMIC PROJECTS

Morgan Stanley — New York, NY
Data Scientist, Contest — Jun 2020 - Aug 2020
- Led a 5 students team to derive insights out of Twitter for Morgan Stanley Analytics Team
- Applied NLP & Machine Learning techniques to extract sentiment & topics from tweets
- Manipulated statistical & visualization tools to provide recommendations for Morgan Stanley

Sifoee — Lyon, FR
Data Scientist, Business Development — Oct 2017 - Apr 2018
- Increased web traffic by 30% & decreased bounce rate by 20% using A/B testing
- Collected & analyzed traffic data from Google Analytics to improve marketing campaign conversion
- Led team of 8 engineering students for optimization & development of SIFOEE brand

SKILLS

Software: Python (Pandas, Sklearn, TensorFlow, PySpark, Prophet, Gaft), SQL, Tableau, Git
Language: French (native), Spanish (intermediate)
Music: Founder, Manager & Producer in label signed electronic music band [Sense](#) | Top 10 charts Philippines
Interests: 7 humanitarian missions in Vietnam ([Les Lampions](#)), Volleyball (national competitions)