

TITOUAN JEHL

2615 California St, Berkeley, CA, 94703, U.S.A.

(+1) 510-993-8691 ◊ titouan.jehl@gmail.com

EDUCATION

University of California, Berkeley, CA, U.S.A 2016 - 2020

Ph.D. in Industrial Engineering and Operations Research

Conducted research with Prof. Max Z. Shen. Research topics and related fields:

- Inventory placement in a delivery network (**graph theory, machine learning**)
- Dispatching rules in a transportation network (**reinforcement learning, dynamic programming**)
- Optimizing pricing and detour policies for ride sharing services (**simulation, choice modeling**)

University of California, Berkeley, CA, U.S.A. 2016 - 2017

M.Eng. in Industrial Engineering and Operations Research

- First student to complete in parallel a 1st year Ph.D. and a degree combining business and engineering
- Capstone project: Machine Learning for Patent Litigation, NLP project

Ecole Polytechnique, Palaiseau, France 2013 - 2017

Polytechnic diploma, Master's level

Math, Software Engineering, Business, Entrepreneurship

PROFESSIONAL EXPERIENCE

Lyft, Marketplace Product, San Francisco, CA, U.S.A 2019 - 2020

Research Scientist (summer 2019) - Part time Research Scientist (Sept 2019 - May 2020)

- Implemented a new dispatch policy for shared riders that optimizes the trade-off between passenger waiting time and marketplace efficiency
- Implemented a model to guide the decision of launching a ride sharing service in a new city

JD.com, JDY smart logistic team, Mountain View, CA, U.S.A. 2018 - 2019

Operations Research Scientist

- Implemented a data-driven graph-based algorithm for inventory placement decision under constraints saving hundreds of millions of orders from being delayed every year
- Designed a ready to use machine learning algorithm predicting the replenishment decisions under constraints, reducing the replenishment cost by 25% while increasing revenue. It is currently being tested offline

Boston Consulting Group, Paris, France 2015-2015

Visiting associate

- Developed a pricing optimization analysis for an aircraft company
- Conducted a market research for a group seeking to expand its market share by brand acquisition

EXTRA-CURRICULAR

Volunteer at Scout group Paul Coze, Los Altos - Organizing and supervising camps with the mission of providing young people with the opportunity to develop new skills and take responsibilities in the group

Conservatory of Music, Issy les Moulineaux - Degrees awarded in Music theory and Piano

Sports - Running, bicycling, hiking, back-country skiing

ADDITIONAL INFORMATION

Programming Languages
Languages

Python(Tensorflow, Numpy, Scipy, Pandas), **SQL, R** , C++, Java
English (Full professional proficiency), **French** (Native speaker)

PUBLICATIONS AND PRESENTATIONS

- **Titouan Jehl**, Daniel Freund, Arash Asadpour, Max Z. Shen "Sustainability of ride-sharing: Equilibrium and pricing" working paper
- **Titouan Jehl**, Yuhui Shi, Di Wu, Max Z. Shen "Data Driven Inventory Placement For E-tailer" submitted to Manufacturing & Services Operations Management
- **Titouan Jehl**, Yuhui Shi, Di Wu, Max Z. Shen "Warehouse Assortment Planning with Fulfillment Flexibility" submitted to Naval Research Logistics
- "Product Placement Optimization Using Parametric Cuts" presented at **INFORMS** in Phoenix, AZ, U.S.A, **2018**