# ESTELLE BARNOUD

929-309-4063 | New York, NY
Email | LinkedIn | GitHub

## EDUCATION

**Columbia University** | GPA : 3.85/4.0                                      Aug'18 – Exp Dec'19
Master of Science in Management Science and Engineering                       New York, NY

- *Probability, Statistics & Simulation, Optimization, Stochastic Modeling*
- *Business Analytics, Demand & Supply Analytics, Operations Consulting, Operations Strategy, Entrepreneurship*

**Télécom ParisTech**, Institut Mines-Télécom | GPA : 3.8/4.0                 Sep'16 – Exp Dec'19
Diplôme d'ingénieur – equivalent to BS & MS                                   Paris, FR

- Data Science: *Statistics, Optimization, Data Mining, Databases, Machine Learning, Algorithmics, Programming*
- Strategy, Innovation & Markets: *Entrepreneurship, Innovation Management & Design, Applied Project (see below)*

## PRODUCT MANAGEMENT, DATA ANALYTICS & ENTREPRENEURSHIP

**Business Analyst at CybelAngel**                                            May'19 – Present
- Analyzing & forecasting sales performances; implementing tools to automate analyses   New York, NY
- Working cross teams on systematic tracking of KPIs and improving processes
- Assisting the CEO as Data consultant; reporting directly to the CEO

                                                                             Sep'18 – May'19
**Consultant at Bill & Melinda Gates Foundation** | Columbia                  New York, NY
- Created statistical machine learning robots to build linguistic glossaries [*Python*]
- Implemented recurrent neural network to translate sentence-to-sentence [*TensorFlow*][*Python*]

**Consultant at Blue Cloud Ventures** | Columbia                             Sep'18 – May'19
- Automated search of new startups to invest in through ranking dashboard tool [*scraping*][*Power BI*]   New York, NY

**Founder, Product Developer & Manager of Web Platform engaging citizens to participate** | Télécom   Feb'18 – Jun'18
- Benchmarked existing digital infrastructures and led survey on how citizens perceive their engagement   Paris, FR
- Developed MVP web platform using opensource & most used technologies [*JSX*][*React*][*Redux*][*Node.js*][*Django*]

**Data Analyst for non-profit organization enabling citizens to host refugees** | Télécom   Jun'17 – Jun'17
- Collaborated with non-profit organization CALM in 8-student team                         Paris, FR
- Coded scripts to cleanse csv datasets [*Python*]
- Produced relevant visualization interpretable for the association [*HTML/CSS/JavaScript*]

**Product Developer for query application helping researchers find scientific articles** | Télécom   Sep'16 – May'17
- Developed UI of the search application in 6-student team [*Java*]                          Paris, FR

## LEADERSHIP

**President of Make A Difference TPT** | 1st student club at Télécom for sustainable development   Apr'17 – May'18
- Founded & chaired the association; Directed & led projects such as charity work and recycling   Paris, FR
- Organized €1500+ event of 100+ attendants to raise awareness about disabilities

## SKILLS

**Software**: Python: *sklearn, pandas*; R; Java   **OS**: Linux & Windows   **Web**: HTML/CSS/JS, React & Redux   **Other**: Git, SQL, Power BI
**Spoken Languages**: French (native) - German (basic) - Spanish (basic) - Chinese (basic)
**Passions**:  Violin & Piano (classical, since 2000) - Singing (regional concerts) - Rowing (national competitions | 2010-2016)