




ESTELLE WOLSKI

Senior Analytics Engineer & Data Engineer

M estelle.barnoud@columbia.edu |  estellebarnoud |   EstelleBarnoud

WORK EXPERIENCE

Vercel | Senior Analytics Engineer

Jul'23 – Present

- Build and maintain reliable, timely data assets at scale through modern data stack [dbt][Snowflake]
- Improve toolkit & processes to reduce time-to-deploy and maximize data integrity [dbt][GitHub Actions]

New York, NY
(remote)

dbt Labs | Senior Analytics Engineer

Oct'22 – May'23

- Led end-to-end data modeling projects from extraction, load & transformation to self-service. Maintained 1000+ models across 30+ sources for self-service [dbt][Snowflake][Looker][Fivetran]
- Reduced CI time from 1h+ to <2min through the implementation of a deploy job & model config optimization
- Reduced number of incidents & review time through custom CI & hooks ensuring code quality on all contributions [dbt][GitHub Actions]

New York, NY
(remote)

Gojob | Senior Analytics Engineer, Data Engineer

Mar'21 – Jul'22

- Reduced number of customer escalations from 20 to 2 per month by migrating data models from old stack [Airflow][DOMO] to new [dbt][BigQuery][Fivetran]
- Cut number of incidents by half by setting up automatic tests both on a daily basis to proactively fix data quality issues and on code changes for continuous integration [dbt][GitLab CI]
- Increased analytics team impact by setting up a technical roadmap, recruiting 4 engineers, producing self-service documentation and upskilling via code reviews & mentoring
- Served on-call rotations on 10+ data sources & 150+ models

Aix-en-Provence, FR

L'Oréal | Data Scientist & Analyst, Revenue Growth Management – Advanced Analytics

Feb'20 – Dec'20

- Saved \$10M+ in portfolio & pricing optimization by designing hierarchical Bayes estimation with choice-based conjoint research to understand customer behavior
- Used Machine Learning to provide quantitative & qualitative recommendations based on customer insight
- Optimized research designing from 5 days to 1 through the automation of processes [Python][VBA]

New York, NY

CybelAngel | Business Analyst

May'19 – Feb'20

- Prepared business data & slides for pitch deck to raise \$36M in series B round
- Analyzed & forecast marketing and sales performance to recommend data-driven strategies
- Worked cross-teams on systematic tracking of KPIs; optimized sales & marketing processes

New York, NY

Bill & Melinda Gates Foundation | Data Science Consultant | Columbia

Sep'18 – May'19

- Applied statistical machine learning models to build linguistic glossaries [Python]
- Implemented recurrent neural network to translate languages with limited data [TensorFlow][Python]

New York, NY

EDUCATION

Columbia University | GPA: 3.8/4.0

Aug'18 – Dec'19

Master of Science in Management Science & Engineering – Analytics, Optimization, Operations

New York, NY

Télécom Paris, Institut Polytechnique de Paris | GPA: 3.8/4.0

Sep'16 – Dec'19

Master of Science in Data Science – minor in Entrepreneurship & Innovation

Paris, FR

SKILLS & PROJECTS

Software: dbt, Python (Airflow), SQL (BigQuery, Snowflake) **DevOps:** GitHub Actions, GitLab CI **Other:** Looker, Power BI, VBA

Spoken Languages: English (fluent) - French (native) - Spanish (basic) - Chinese (basic)

Associative Projects: Founder of Make A Difference, 1st student club at Télécom for sustainable development

- Organized €1500+ event of 100+ attendants to raise awareness about disabilities; Led recycling & charity projects

Interests: Violin & Piano (classical, since 2000) - Singing (local concerts) - Rowing (national competitions | 2010-2016)