



Nicolas Gagnon

Curious data engineer
with a passion for creative
problem solving.



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Berlin, Germany



LANGUAGE

- ENGLISH - Native
- FRENCH - Conversational
- GERMAN - Learning



SKILLS

STRONG

- COMPUTE ENGINE - DATABRICKS, SPARK
- STORAGE - BIGQUERY, POSTGRES, S3
- CLOUD INFRA - GCP, AWS
- LANGUAGE - PYTHON, SQL, REACT
- CI/CD - GIT ACTIONS, TRAVIS
- CONTAINERIZATION - DOCKER, K8

KNOWLEDGEABLE

- ORCHESTRATION - AIRFLOW, TERRAFORM
- OBSERVABILITY - DATADOG, GREAT EXPCT.
- MLOPS - VERTEX AI
- COFFEE BREWING



PROFESSIONAL EXPERIENCE

- Delivery Hero, Berlin, Germany**
Data Engineer - Experimentation | Aug. 2021 - present
 - Reduced evaluation time by 80%** by transitioning ETL pipeline to PySpark on distributed Dataproc cluster
 - Improved data visibility and quality by integrating **Datadog** and **Great Expectations**
 - Standardized Python package management within the Global Data Tribe with a combination of **Poetry**, **Pyenv** and **Google Artifact Registry**
 - Integration of **Terraform** with **Atlantis** to manage remote state and deploy infrastructure resources
 - Manage **end-to-end data pipeline** to service internal experimentation platform and data analysis
- PrestaCap, Berlin, Germany**
Software Engineer | Jan. 2020 - Jun. 2021
 - Implemented **OCR parsers** for financial bank statements and fraud detection
 - Leveraged Databricks architecture for **100GB+ ETL** solution
 - Integrated Azure service and storage queue for asynchronous workflow within **microservice architecture**
 - Designed Postman collections and Python scripts for API smoke testing and load performance
 - Managed a team of data scientist and software engineers in developing data extraction and financial analyst tools
- Cazana, London, United-Kingdom**
Freelance Software Engineer | Dec. 2019 - Jan. 2020
 - Implemented and designed business intelligence dashboard using Plotly dash in Python
 - Managed structure queries from the user with appropriate fault tolerance
- OTHER EXPERIENCES**
 - Centre of Addiction and Mental Health, Toronto, Canada**
Junior Python Developer
Jan. 2018 - May. 2018
 - King Abdullah University of Science and Technology Jeddah, Saudi Arabia**
Bioinformatic Research Student
May. 2017 - Dec. 2017



TECHNICAL PROJECTS

- Boombox Software - Start up**
Social and competition platform for music enthusiasts. Available on both iOS and Android!



EDUCATION

- University of British Columbia, Vancouver** | Sep. 2014 - May 2019
BSc. Computer Science and Behavioural Neuroscience



AWARDS & PUBLICATIONS

- Publication in **Computers & Graphics**, Dryad Digital Repository, and **Journal of Neuroscience** - (2017-19)
- 3rd place poster at Big Data Analysis in Evolution conference - **KAUST** (2018)