



Nicolas Gagnon

Curious software developer
with a passion for creative
problem solving.



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Berlin, Germany



LANGUAGE

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



SKILLS

STRONG

- PYTHON - FLASK, PANDAS, DASH
- DATABASE - SQL, SQLITE, POSTGRES SQL
- AZURE - CI/CD, ETL, FUNCTION APPS
- API - POSTMAN, JMETER

KNOWLEDGEABLE

- OOL - JAVA, C++
- VCS - GITHUB, BITBUCKET
- DOCKER, KUBERNETES
- DESIGN - SKETCH, PHOTOSHOP
- COFFEE BREWING



PROFESSIONAL EXPERIENCE

- PrestaCap, Berlin, Germany**
Data Engineer | Jan. 2020 - Current
 - 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
- Cazana, London, United-Kingdom**
Data Science Analyst | Aug. 2019 - Oct. 2019
 - Enhanced Plotly dash data labelling tool for ML training dataset
 - Optimized tagging efficiency by 20X and contributed to **100,000** data points
- 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!
- RSVP**
Web-based application for virtual event gatherings



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)
- Go Global - Self Directed Research Award - University of BC (2017)