



# 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, POSTGRESQL
- AZURE - DEVOPS, FUNCTION APPS
- API - POSTMAN, JMETER

### KNOWLEDGEABLE

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



## PROFESSIONAL EXPERIENCE

- PrestaCap, Berlin, Germany**  
*Python Developer* | Jan. 2020 - Current
  - Implemented python OCR parsers for financial bank statements and fraud detection
  - Leveraged parallelization to improve parser performance by **200%**
  - 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
  - Experienced with agile workflows, DevOps, and CICD pipelines
- 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
- YAMO**  
Web-based application for educational content exchange



## 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)