

CHRISTIAN LANCTÔT

1024 avenue du Vigneron
Drummondville, Quebec
J2B 0Z2, Canada

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Email info@clanctot.com

Date of birth

February 21st, 1969

Citizenship

Canadian

[Web site](#)

[LinkedIn](#)

[GitHub](#)

INFORMATION TECHNOLOGY (IT) SKILLS

Expertise across the entire data chain, from collection to visualization and from analysis to modeling. Specializing in the development of APIs and ETL interfaces. Experience with data from various fields (customer, financial, biomedical, geospatial)

OS

Linux (debian), Windows

Version control

git, GitLab, GitHub

Project management

Jira, Clickup, TopDesk

Applications

ETL

Talend, Mirth Connect

Office

MS Office Suite

BI

Knowage, PowerBI

GIS

qGIS

Graphics

GIMP

DBMS

SQL

PostgreSQL, MSSQL, MySQL, Sybase, Oracle

NoSQL

MongoDB

Search engine

Elasticsearch

API

REST (JSON), SOAP (XML), OAS 3.1, SwaggerHub

Languages

Python, C, Java, Javascript, PHP, Rust

Artificial Intelligence (AI)

Machine learning

pandas, numpy, scikit-learn

Neural networks

Keras

LLM

ChatGPT, Mistral, Azure AI Studio, Ollama, RAG

Web frameworks

React, React Native, ExpressJS, Django, Laravel

Apache

Camel, ActiveMQ

Infrastructure/servers

Node, Nginx

EDUCATION

2018

Code & Go Certificate – Programming and Web Development

Coding Academy, [Epitech School](#), Lyon Campus, France

1994-1999

Ph.D. in Biochemistry

Clinical Research Institute of Montreal ([IRCM](#)), University of Montreal

CONTINUING EDUCATION

- 2022 **Artificial Intelligence (AI) – Deep learning**
[Cégep de Trois-Rivières](#) (Quebec)
- 2019 **CCNA (Cisco Certified Network Associate) Training**
Introduction to networks
Cégep de Trois-Rivières (Quebec)

WORK EXPERIENCE

- 2023- **IT Consultant**
Consultant TICL, Drummondville, Quebec
- self-employed
 - short- and mid-term contracts as data analyst/manager
 - specialization in the development of interfaces and APIs
 - experience with large language models (LLM) in artificial intelligence
- 2022 **Principal Analyst (Big Data)**
2021 **Programmer Analyst**
[Sogetel Inc.](#), Nicolet, Quebec
- development of numerous ETL interfaces and web services
 - development and optimization of complex SQL queries
 - setup and maintenance of a geospatial database for customer data
 - development of a set of Talend jobs which transpose data from an Excel form to another Excel form; responsible for the large-scale execution of this task over a 10-month period
 - extraction and preparation of log data accessible via Elasticsearch (> 10 million entries per day) ; modeling using machine learning (Random Forest/linear regression)
 - participation in the management of the Talend infrastructure
 - documentation of programs, procedures and APIs
- 2018-2021 **Programmer Analyst**
[Intégration Santé/IS Data Solutions](#), Shawinigan, Quebec
- development, validation and use of numerous ETL interfaces as part of a large scale project of the Quebec Ministry of Health
 - writing of training documents (> 300 pages and 5 practical modules)
 - setup of data warehouses (cubes) and development of interfaces to feed them
 - creation of various dashboards (key performance indicators, tables, graphs and maps)
 - development of Python algorithms used to match citizen identification data from multiple sources (> 45)

- 2009-2017** **Principal Investigator / Group Leader**
Biocev, Faculty of Sciences, Charles University, Prague, Czech Republic
Institute of Cell Biology and Pathology, Charles University
- generation and analysis of microscopy images
 - analysis of genetic/genomic data
 - development of websites (lab, events)
 - grant awards from university, national and European agencies
 - publication of results, teaching
- 2007-2009** **Director, Scientific Development and Popularization**
Institute of Research in Immunology and Cancerology (IRIC), University of Montreal
- key role in the preparation of grant applications (\$51 millions)
- 2004-2007** **Senior Research Fellow**
Ludwig-Maximilians University, Munich, Germany
- numerous publications in high impact journals
- 1998-2003** **Co-founder/ Chief Scientific Officer**
Phenogene Therapeutics, Montreal, Quebec
- design and implementation of a novel biotechnological platform
 - discovery and patenting of a new modulator of bone growth
 - building and supervision of a team of 11
 - key role in securing public and private investments
- 1988-1990** **Co-founder / Developer**
Les Logiciels Kaiser, Montreal, Quebec
- development and marketing of a stock market analysis software
 - code written in assembly language (Intel 80286)

LANGUAGES

Maternal	French
Other (spoken and written)	English, German, Czech

MISCELLANEOUS

International work experience
 Recipient of prestigious fellowships
 Volunteer work
 Reading, travel, working out, jogging, ski