CHRISTIAN LANCTÔT

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

Tel	+1 438 503-1371	Date of birth	February 21st, 1969
Email	info@clanctot.com	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
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
Web frameworks	ExpressJS, Django, Flask, Symphony, 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

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 within a large scale project of the Quebec Ministry of Health
- writing of training documents (> 300 pages and 5 pratical 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 microsopy 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 plateform
- 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, badminton, ski