Christian Jauvin

Independent developer, consultant and researcher.

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Currently

Contracting with startups, businesses and researchers in various contexts, helping them to solve challenging problems.

Areas of expertise

General problem solving and programming, machine learning, data science and visualization, web applications, databases, GIS.

Technical skills

Python (and a sizable part of its ecosystem and culture), **JavaScript** (Ext JS and React), Go, R, **PostgreSQL**, Docker, Kubernetes, AWS, PyTorch, Tensorflow.

Past occupations

2018 **Element AI**: Research Developer

2016–2017 **Ubisoft Montreal**: Online Developer

2013–2015 **WhatRunsWhere**: Data Scientist / Developer

2006–2013 **McGill Surveillance Lab**: Research Developer

Notable projects and contracts

Vinum: Web application and database to manage the internal operations of a wine importing company.

PypeTree: Tool with an innovative UI to assist with the 3D reconstruction of LIDAR scanned botanical trees.

Dracones: Web mapping and spatial analysis add-on to an existing public health database.

Road address correction and geocoding: Custom algorithm for the correction and geocoding of a road accident database.

Education

2001–2003 **M.Sc in Computer Science**, UofM (Machine Learning with Yoshua Bengio)

1998–2001 **B.Sc in Computer Science**, UofM

Online Courses (Coursera)

Computer Networks, Neural Networks and Deep Learning, Discrete Optimization, Cryptography I, Artificial Intelligence.

Notable Publications

2014 PypeTree: a tool for reconstructing tree perennial tissues from point clouds

2010 Residential address errors in public health surveillance data: a description and analysis of the impact on geocoding

2003 A neural probabilistic language model