

Quentin VIGNAUD



– M.Sc. computer science
– Software-specialized computer systems engineer

Canadian resident
EU citizen
French national

Portfolio

www.quentinvignaud.com

Contact

This is public version of the document, please refer to:
linkedin.com/in/qvignaud

Languages

Native french
Fluent english
Notions of german

Technologies

C++, Qt, Rust, Linux, C, Git, Java, NodeJS, Python, MPI, OpenMP, Intel Thread Building Blocks, WebAssembly, WebGL, C#, SQL, JavaScript, L^AT_EX

Interests

Running
Hiking
Music
Electronic

Miscellaneous

Driving license B
Civil safety certificate (PSC1)
Volunteer at CSGames 2019

Professional experience

Jan 2017 - Jun 2020 **Researcher & student** Montréal, Canada
Université du Québec à Montréal

- Works in artificial intelligence and machine learning for detection of elements in audio data and musical information retrieval.
- Demonstrator and teaching assistant for courses for graduate students in computer science.

Jul 2019 - Nov 2019 **Research & development intern** Ottawa, Canada
Ciena

- Design and development of analysis processes for structured, unstructured, or corrupted data.
- Machine learning application for useful data retrieval.

Feb 2015 - Dec 2016 **Founder, designer & developer** Saint-Nazaire, France
Self-employment / Freelance

Sep 2016 - Dec 2016 **Web development intern** London, United Kingdom
Joboundu

- Design and development of platform for artists, models, producers and film makers.
- Managements of payments following the PCI DSS (Payment Card Industry Data Security Standard).

Feb 2016 - May 2016 **Research & development intern** Nantes, France
Keops Automation

- Design and development of weather forecast data server, managing multiple sources (air-ports, Météo France, National Weather Service -USA-), to schedule automated industrial processes.
- Parallel computing and sharing of forecasts for automated remote processes.

2014 - 2015 seasons **Club attendant** Préfailles, France
Club de Tennis des Amis de Préfailles

May 2015 - Jul 2015 **Web development intern** Saint-Nazaire, France
Éditions de France

Sep 2014 - Nov 2014 **Research & development intern** Nantes, France
Scanpoint Software

Education

2017 - 2020 **Master's degree in computer science** Montréal, Canada
UQAM, Université du Québec à Montréal

2013 - 2018 **Software-specialized computer systems engineering degree** Saint-Nazaire, France
CESI, Centre des Études Supérieures Industrielles

Skills

Entrepreneurial Pedagogy, Project management, Software design, Documentation

Practical and theoretical Machine learning, Artificial intelligence, Signal analysis, Parallel computing, Databases, IT security

Publications & Awards

Détection et classification des notes d'une piste audio musicale, Université du Québec à Montréal
L'ordinateur quantique et la sécurité de l'information, Université du Québec à Montréal
Excellence Scholarships 2018 & 2019, Faculté des sciences de l'Université du Québec à Montréal